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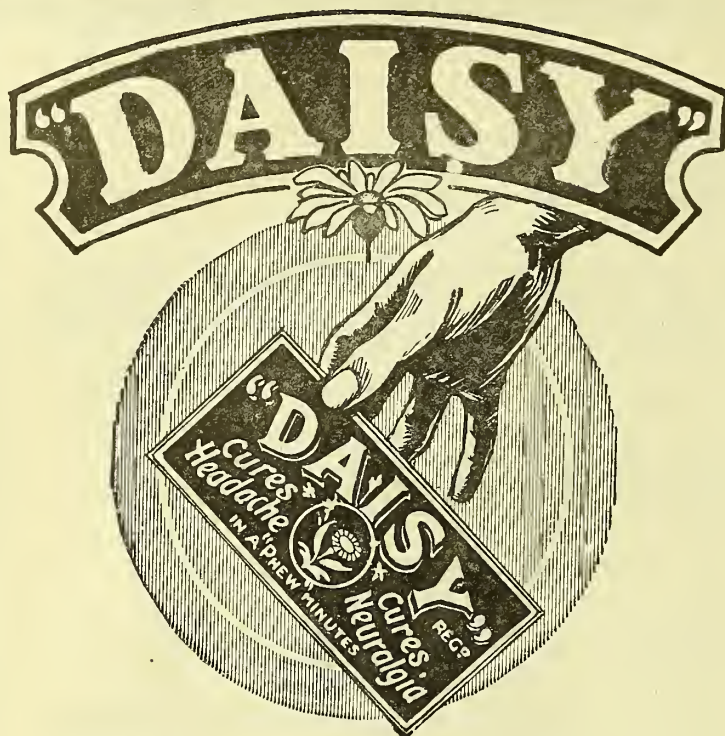
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Black Currant		1/6
" and Eucalyptus		1/6
" and Glycerine		1/6
Bramble		1/6
Bronchial Cough		1/6
Chlorate of Potash		1/6
Chlorodyne, Linsed and Licorice		1/6
Cocaine and Menthol		1/8
" Menthol and Eucalyptus		1/8
" Red Gum and Eucalyptus		1/8
" Red Gum, Menthol and Eucalyptus		1/8
" and Rhatany		1/8
Compound Terebene (Terebene, Eucalyptus, Menthol and Cocaine)		1/8
Cough		1/6
Delectable Jujubes (cut long)		1/6
" Pastilles		1/6
Eucalyptus Oil		1/6
" and Black Currant		1/6
" and Glycerine		1/6
" and Honey		1/6
" and Malt		1/6
" and Menthol		1/6
" Menthol and Cocaine		1/8
" Menthol and Licorice		1/6
" and Pine		1/6
" Red Gum and Cocaine		1/8
" Red Gum, Menthol and Cocaine		1/8
" Terebene, Menthol and Cocaine		1/8
Glycerine		1/6
" and Black Currant		1/6
" and Chlorate of Potash		1/6
" and Cranberry		1/6
" and Eucalyptus		1/6
" and Honey		1/6
" and Paregoric		1/6
" and Tannin		1/6
Greengage		1/4
Honey and Eucalyptus		1/6
Iceland Moss Jujubes (cut square)		1/6
Laxative Lime Fruit (Lime Fruit, Sulphur and Cream of Tartar)		1/6
Lemon Juice		1/4
Licorice		1/6
" Compound		1/6
" Menthol and Eucalyptus		1/6
Lime Fruit Juice		1/4
Linsed, Licorice and Chlorodyne		1/6
Magnum Bonum Jubes (cut long)		1/6
Malt Pastilles		1/6
" and Eucalyptus		1/6
Menthol Pastilles		1/6
" and Cocaine		1/8
" and Eucalyptus		1/6
" Eucalyptus and Cocaine		1/8
" Eucalyptus and Licorice		1/6
" Eucalyptus and Pine Oil		1/6
" and Pine Oil		1/6
Mixed Fruit		1/4
Paregoric and Glycerine		1/6
Pine Oil		1/6
" and Eucalyptus		1/6
" and Menthol		1/6
" Menthol and Eucalyptus		1/6
Raspberry		1/4
Red Currant		1/4
Red Gum, Eucalyptus and Cocaine		1/8
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" and Menthol		1/8
" and Menthol		1/8
Rose Pastilles		1/4
Strawberry Pastilles		1/4
Sulphur, Lime Juice and Cream of Tartar		1/6
Tannin and Glycerine		1/6
Terebene, Eucalyptus, Menthol and Cocaine		1/8
Voice Pastilles		1/6
" Jujubes (cut long)		1/6

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"Milk of Magnesia"

(REGISTERED TRADE MARK.)

Retail - - - Per 1/- and 2/3 Bottle.

Wholesale - - Per 9/6 and 19/- Dozen.

SPECIAL TERMS FOR 3, 6 AND 12 DOZEN LOTS.

"Phospho-Muriate of Quinine Co."

Per 3/- and 5/- Bottle.

Wholesale - - Per 27/- and 48/- Dozen.

Special attention is called to the NEW 3/- SIZE.

THE CHARLES H. PHILLIPS CHEMICAL CO.,
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"FARRISOL"

— ENGLISH MADE —

WHITE MEDICINAL OIL, B.P.

(PARAFFINUM LIQIDUM, from Pure Russian Oils).

Guaranteed to exactly conform to B.P. tests.

RECOMMENDED AND ADOPTED BY THE HIGHEST MEDICAL AUTHORITIES.
ABSOLUTELY ODOURLESS AND TASTELESS.

Consumers should insist upon a thorough test, as there are so-called white oils on the market which lack the pure ingredients and the special treatment absolutely essential to produce the B.P. article. By purchasing from Charles Farris you secure the guarantee of an old-established House and complete satisfaction.

Samples and prices for comparison free on application.

Large Stocks always Ready for Immediate Delivery.

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Special Refiner of Oils for the fine Clockwork of Telegraphic Instruments. OIL REFINER TO H.M. GOVERNMENT.

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offer at lowest prices the following products manufactured in the United Kingdom, Allied and Neutral Countries.

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Barbitone	Isarol (best Ichthyol substitute)
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Bromide of Potassium	Lithol (Ichthyol sub.)
Bromide of Sodium	Mercurials
Chloral Hydrate	Methyl Salicylate
Cinchonine Sulphate and Muriate	Peppermint Oil
Cinchonidine Sulphate	Pepsine
Citric Acid	Phenacetin
Cocain Hydrochlor and Puriss	Phenazone
Cream of Tartar	Pyrogallic Acid
Creosote Carbonate	Potassium Sulpho-Guaiacolate
Eucalyptus Oil	Quinine and Salts
Formaldehyde	Quinine Ethyl Carbonate
Gallic Acid	Salicylate of Soda
Glycerophosphates	Sugar of Milk
Guaiacol Carbonate	Tannic Acid
Heliotropin	Tannin Albuminate
Hexamine	Terpineol
Homatropine	Theobromine
Hydroquinone	Vanillin

R.W. Greeff & Co.,

Thames House, Queen Street Place
London . E.C.





Packed Drugs
Toilet Preparations
Superfatted Toilet Soaps



FIG. 1664

FIG. 1583

FIG. 2046

LABELS
CAN BE RESERVED
for a chemist in his locality,
SPECIAL QUOTATIONS
to
buyers in quantity.



4102 FIG. 418

FIG. 600

FIG. 602

Labels printed with own name and address free, subject to orders being received for any preparation to the value of 12/- and upwards.

A revised edition of our Packed Drug List can be forwarded on request, also specimens of available labels and cartons.



FIG. 604

FIG. 932

FIG. 933

Allen & Hanburys Ltd,
London.

SAMPLES of PREPARATIONS and specimens of available LABELS and CARTONS forwarded on request.

Packed Drugs.

Blaud's Pills.

White glass direct squares, cartoned, gelatin coated, 144's.

Carlsbad Salts.

Plug stoppered Cheltenham, squat, cartoned.

Effervescent Citrate of Magnesia.

(No. 1 Quality).

White glass kalis, corked, capsuled.

2 oz. in 4 oz., 4 oz. in 8 oz.,
8 oz. in 16 oz.

Effervescent Citrate of Magnesia.

(No. 1 Quality).

Blue flats, corked, capsuled, 4 oz. in 8 oz., 6 oz. in 12 oz.,
8 oz. in 16 oz.

Effervescent Citrate of Magnesia.

(No. 1 Quality).

Cheltenham, boxwood top shives, 3 oz. in 6 oz.,
4 oz. in 8 oz., 8 oz. in 16 oz.

Health Saline.

Round cornered tins, lever lidded, 4 oz.

Lemonade Crystals.

Direct squares, corked, capsuled, 1½ oz. f.c. 4½ oz.

Liver Saline.

Round cornered tins, lever lidded, 4 oz.

Effervescent Saline, Granular.

Wood's plug stoppered Cheltenham, capsuled,
6 oz., 8 oz.

Seidlitz Powders.

B.P. Loose, extra strong, double strength.

Seidlitz Powders.

Boxes B.P., extra strong, double strength.

Seidlitz Powders.

Banded, extra strong, double strength.

Allen & Hanburys, Ltd., London.



The Trident of Trade

EVERY good British citizen will pay homage to our dominions on Wednesday next, which is dedicated to Empire Day. The part played by the Colonies in the war has welded these possessions to the Mother Country in a business bond of inestimable significance. The pathways of the sea are the highways of commerce: the golden road dominated by our industries and our flag.

Druggists in Australia and New Zealand and Canada, in Africa and India—everywhere through our far-flung overseas lands know that British produce is more than upholding its name. "Made in England" is the passport to popularity.

Last month's exports totalled £36,817,839.

Thoughts of British goods naturally centre around Maw productions. As one of the oldest Druggists' Sundries Houses in the old country, we are proud of the fact that we are one of the "youngest" as regards business enterprise. When the Colonies were struggling for their places in the world's markets, "Chymists" were selling Maw's feeding bottles for the rising generation. Now a Maw line is a link with the homeland, something akin to a personal acquaintance. Thousands of Empire druggists know this. Tens of thousands of Empire dwellers endorse it. On this and the opposite page we have presented a representative selection of toilet and invalid requisites. Our various representatives can give you further information, and show you samples of many of the lines.

After this war, the trade war!

Fortify yourself with Maw productions.

Capsule



Maw's

No. 240

S MAW, SON & SONS
 (GPO BOX NO 54)
 742, ALDERSGATE ST.
 LONDON, E.C.

Page

MAY 20, 1916

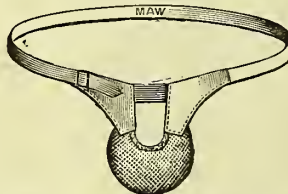
NEW WORLD' NOTIONS



Maw's No. 11 Eau de Cologne. In handsome bottles. 10/- doz., 17/- doz., with showcard. Special discount for bond quantities



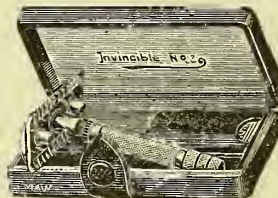
Maw's Vacuum Flasks. A good holiday line. 9 3/4 inches high, 2/10 each. By 1 doz., 2/8 each. By case of 50, 2/6 each net.



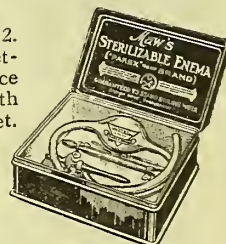
Maw's Suspensory Bandages. "The Beaufort." 3089—Web band and woven elastic bag, cotton, 10/- doz.; 3090—Do., large, 12/9 doz.; 3091—Do., silk, med., 20/- doz.; large, 24/3 doz.



Maw's "Parex" (regd.) Breast Reliever. Red rubber bulb, stout glass receiver. Each in dome-top card box, attract vely labelled. 24/- doz.



Maw's "Invincible" No. 2. Safety Razor. 6 blades in velvet-lined case. No. B2753/B. Price 3/- set. No. B2754/B. With 12 blades in larger case, 4/- set.



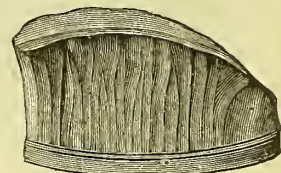
Maw's "Sterilizable" Enema ("Parex" regd. brand). Red rubber, stout glass rectal and vaginal pipes. In handsome tin box. Price 36/6 doz.



Maw's Ambulance Cases.

D1/B (as illustrated) consists of a neat japanned tin to hang on wall. Dimensions 10 x 6 x 3 1/4 in. It contains a liberal supply of adhesive plasters, bandages, boric ointment, wool and lint, friars' balsam, gauze, safety pins, needles and thread, scissors, splints, tape and web tourniquet. Weight about 4 lb. Price 11/-.

D2/B, smaller size, and containing a selection of above. Dimensions 8 1/2 x 6 x 1 1/4 in. Weight about 2 1/4 lb. Price 6/6.



Maw's Bathing Caps. India-rubber, red. Sizes 1, 2, 3, 4, 5 and 6. 22/- doz. With stockinette band, 24/- doz.



Intended primarily for the guidance of Druggists in Canada, the West Indies, South America & the United States, this special "New World" issue of Maw's Page will be of equal interest to our Customers throughout the World.



Maw's "Active Service" Solidified Brilliantine. Perfumed with Bay Rum. In screw-cap tins. 4/9 doz.



Maw's Table Glass. Cut hollow flute.

Per doz.
 $\frac{1}{2}$ pint ... 5/-
 5 to qt. ... 6/6
 $\frac{3}{4}$ pint ... 7/-
 $\frac{1}{4}$ pint ... 9/6

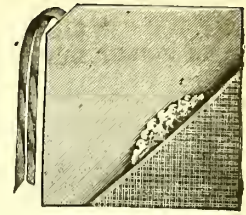


Maw's "Featherweight" Sputum Pot. Polished aluminium. Fitted with detachable cover. Price 15/- doz.



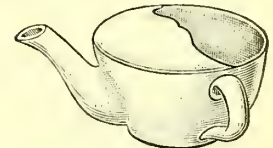
Maw's "Parex" (regd.) Lip Salve. Red or white, in metal pocket case.

Price 3/9 doz., with bonus.

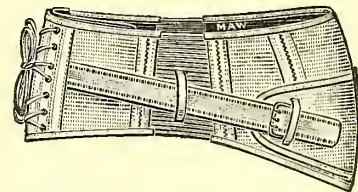


Maw's Check Cambric Sponge Wraps, water-proof.

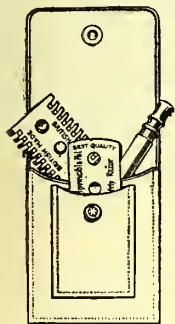
12x12 ... 7/- to 15/- doz.
 18x18 ... 11/- to 20/- "
 24x24 ... 15/- to 40/- "



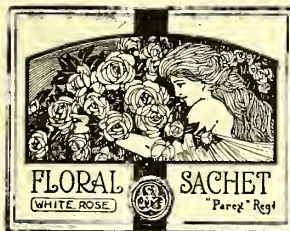
Maw's Feeding Cups. White. Strong pattern. Small. Med. Large. Per doz. 7/- 8/- 9/-



Maw's Gossamer Abdominal Belt. For summer and tropical wear. Each in card box. 7/9 each. Stock sizes.



Maw's "Invincible" Pocket Shaving Set. 15/- doz.

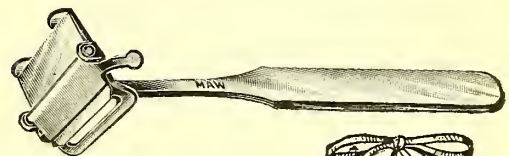


Maw's "Parex" (regd.) Floral Sachet. Put up in White Rose, Ess. Bouquet, Jockey Club, Lily of the Valley, Opoponax, Parma Violet, Chypre, and Carnation 7/- doz. with bonus.



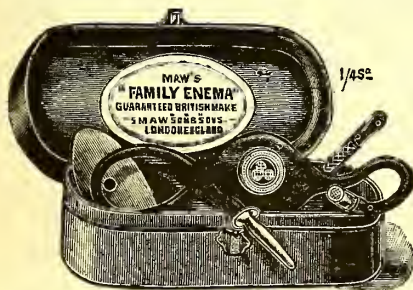
Maw's Glass Measures.

Clear lettering. Price per doz.:
 1 oz. 6/3. 2 oz. 7/-
 4 oz. 8/9. 8 oz. 11/9
 10 oz. 14/-. 16 oz. 16/3
 20 oz. 19/6

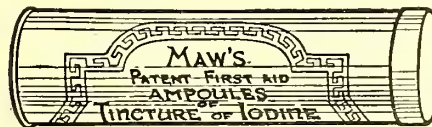


Maw's Ideal Corn Razor. Each in box with blades and directions.

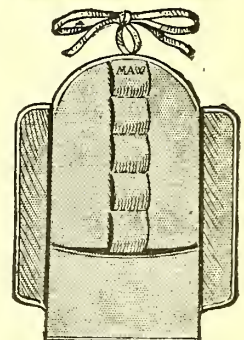
Price 8/- doz.



Maw's "Family" Enema. Full size; black enamelled; fitted with bone rectal pipe, gum elastic vaginal pipe and shield, in hinged dome-top box. Price 34/6 doz. Usual discount.



Maw's Tincture of Iodine Ampoules. Put up in metal cases, packed in silky fibre. Boxes of half doz. 2/6 doz. In cartridge tubes, as supplied to the Front, 18/- gross.



Maw's Rubber-proofed Toilet Holdalls. Khaki roll-up pattern. 12x9 $\frac{1}{2}$... 10/- doz. Better quality material, 18/- doz.



THERE ARE OTHER GOLD PAINTS, BUT ONLY ONE
"GLOSSOLAR,"
 THE FINEST GOLD PAINT ON THE MARKET.



The New Patent LID-ON COVER. Adjustable to any size Cup or Jug.
 Particulars of above lines on application to
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BOTTLE CAPS

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 a boy or girl can
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 they are SELF-
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A business vitalizer, something with real
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 who will and can spend money.

Others find it pays, year in and year out, to stock and
 sell this - the Evan Williams - line. It would assuredly
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 General Agents, 289, Oxford Street, London, W.,
 for a descriptive price list and trade terms.

HENNA SHAMPOO

GATES' BOTTLE CAPPING SKINS.



SNOW-WHITE OPAQUE BAUDRUCHE SKINS.

ABSOLUTELY AS OPAQUE as Split Skins and equal in appearance
 ALSO

TRANSPARENT BAUDRUCHE and WHITE SPLIT SKINS.

GOLD-BEATERS SKIN for Medical Purposes
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Complete Outfits,
 8/6 to 36/- Doz.

SAFETY
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 4/6 to 14/6
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PRICE
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Zoka is guaranteed by a British Chemist as to its germicidal value. Zoka is exceedingly pleasant in use—similar in character to the best American Pastes.

Take Advantage of our Bonus Offer:—

2 dozen Zoka	6d. @ 3/8	-	7/4
1 „ „	1/- @ 6/10	-	6/10
1 „ „	6d. free	-	—
			14/2
		5%	8
		Cost	13/6

PROTECTED SELLING PRICE 30/-

Chemists ordering above small lot receive an agreement entitling them to the special prices of 3/8 & 6/10 perpetually

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BRITISH CHEMICAL INDUSTRY

AND BUY

VANILLIN, TERPINEOL,
ARTIFICIAL VIOLET, HYACINTH,
CINNAMIC ALDEHYDE,
SALICYLIC ACID & DERIVATIVES,
ESSENTIAL OILS, ESSENCES,

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POTTER & MOORE'S
Fragrant Old English
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Lavender Water.

ESTABLISHED 1749

ON and AFTER MAY 1, 1916.

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2 doz. 1/- size at 8/- doz.		0	16	0
2 „ 1/9 „ at 14/- „		1	8	0
1 „ 3/- „ at 2 1/- „		1	4	0
1/2 „ 4/3 „ at 3 1/- „		0	17	0
1/4 „ 7/6 „ at 60/- „		0	15	0
		£5	0	0
Less 5% on £5 parcel -		0	5	0
		£4	15	0



RETURN.

		£	s	d.
2 doz. 1/- size -		1	4	0
2 „ 1/9 „ -		2	2	0
1 „ 3/- „ -		1	16	0
1/2 „ 4/3 „ -		1	5	6
1/4 „ 7/6 „ -		1	2	6
		£7	10	0

Net Profit of £2 15s. 0d. on an outlay of £4 15s. 0d.

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Petroleum Jelly

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Pharmaceutical and
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B.P. 1914

WHITE, YELLOW, ORANGE, LEMON.

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WHOLESALE ONLY—

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ATTRACTIVE COUNTER LINE.

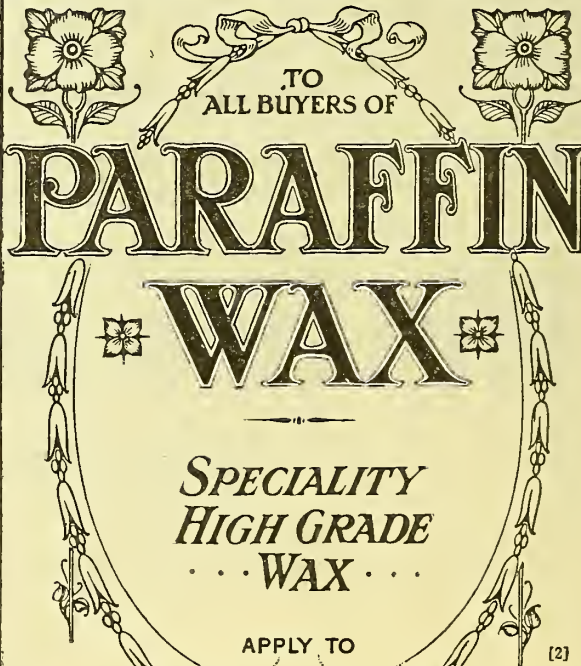
SHOW-BOX containing 1 doz. **9/-**

Ditto cash with order **8/6**

Carriage paid on $\frac{1}{4}$ -gross (3 boxes of 1 dozen Tubes each).

USUAL WHOLESALE, or

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ALL BUYERS OF

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**SPECIALITY
HIGH GRADE
WAX**

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Methylated Spirit

*White in colour & exceptionally
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Scientific purposes.
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Orange and Quinine,
Maintains its brilliancy permanently.
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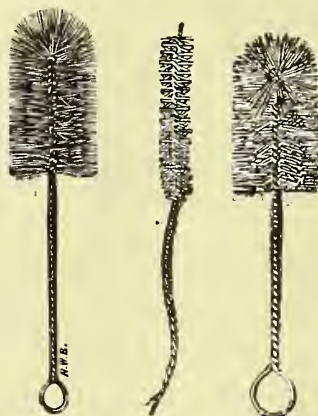
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BOTTLES, PHIALS,
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CHEAP

Hair Brushes

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HAIR BRUSHES,
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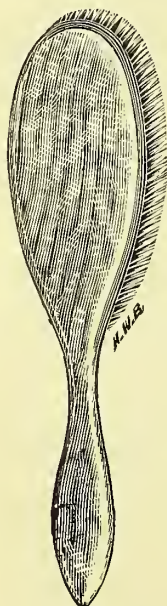


Fig. 200.
From
10/- per dozen up.

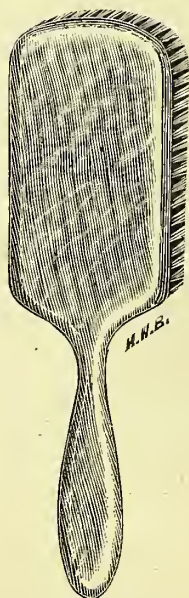


Fig. 300.
From
9/- per dozen up.

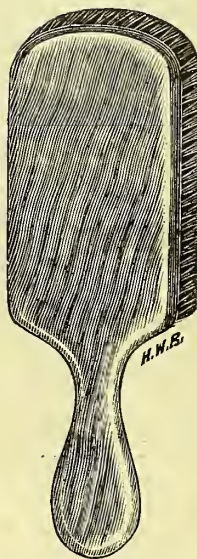


Fig. 400.
From
10/- per dozen up.

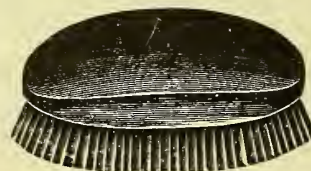


Fig. 500.
From
12/- per dozen up.



Fig. 600 super.
From
20/- per dozen up.

SPECIAL SAMPLE ASSORTMENTS FOR OVERSEAS BUYERS.

Wholesale and Export only.

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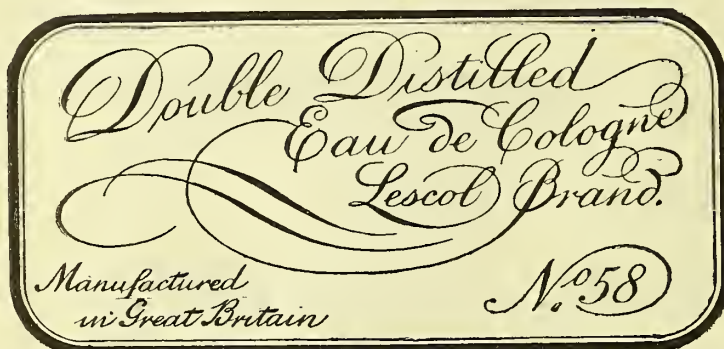
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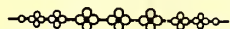
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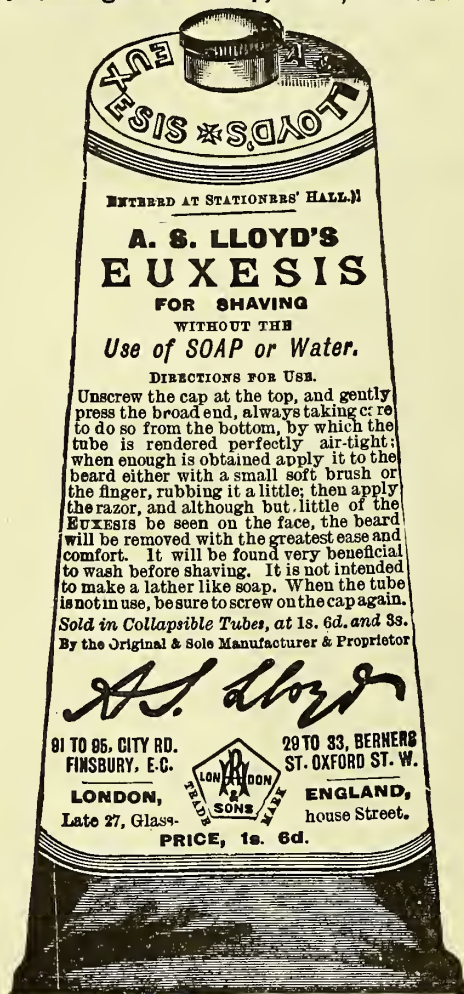
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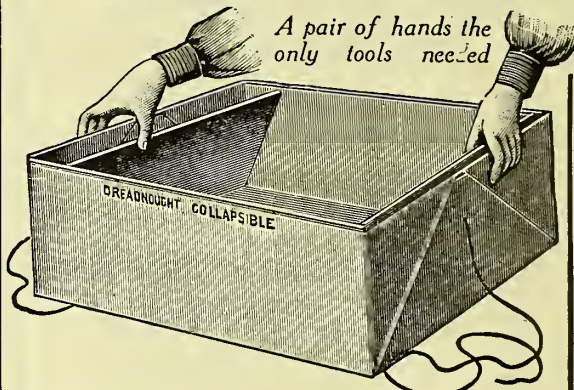
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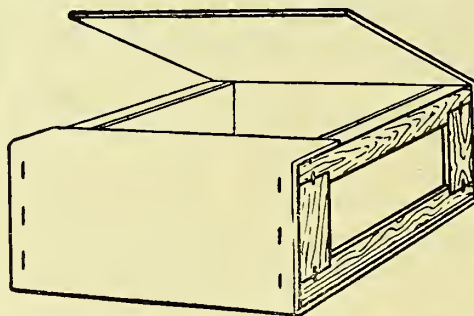
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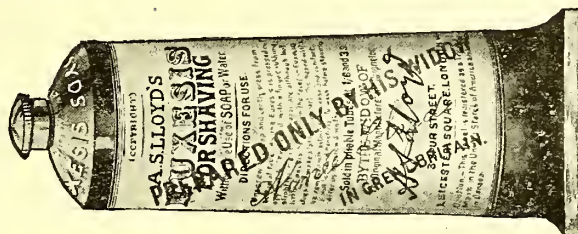
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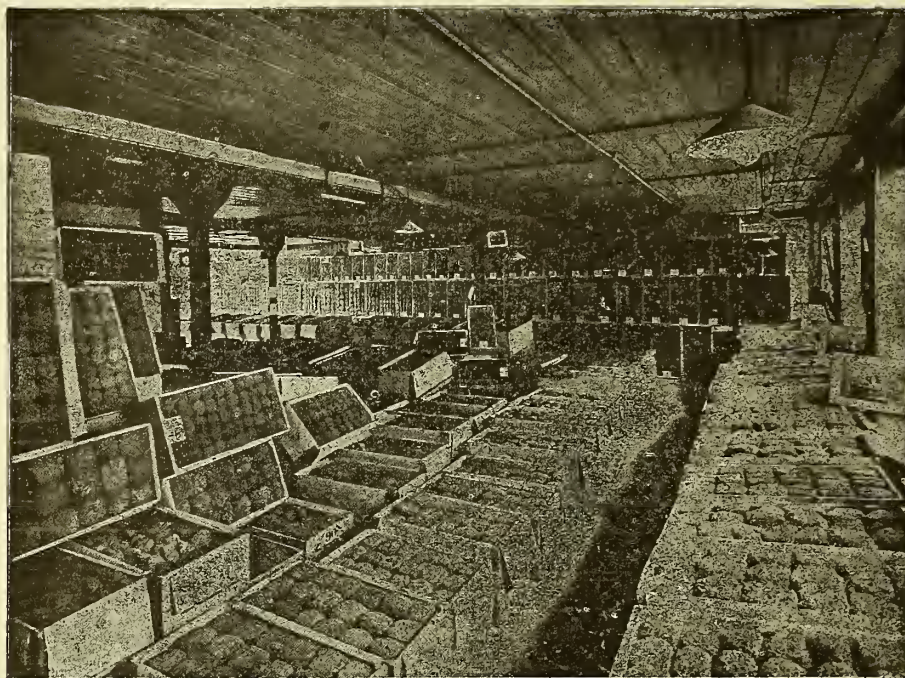
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45½ EAGLE STREET.



Largest
Sponge
Warehouses
in the
World.

Our Stocks
and
Selections
are
Unrivalled
in Value
and Extent.

View of Mediterranean Case Goods Department (Floor Space 3000 sq. ft.) where Chemists' and Druggists' Sponges are shown.

Buyers are invited to call to inspect our Magnificent Stocks and make their own Selections. Lowest Market Prices. Absolutely Best Values. The following abridged List will serve as a guide to Buyers when writing.

UNBLEACHED MEDITERRANEAN SPONGES in Original Cases.



HONEYCOMB.		
Extra Choice. The Pick of all the Fisheries.		
FINEST TEXTURE and SHAPE.		
Pieces in Case.	Average Price per Piece.	
300 Toilet	at 9d.	
250 "	" 1/-	
200 "	" 1/6	
160 "	" 2/-	
140 "	" 2/6	
120 "	" 3/-	
100 "	" 3/6	
90 Medium Bath	4/6	
80 "	" 5/6	
72 "	" 6/6	
60 "	" 7/6	
45 Large Bath	8/6	
30 "	" 10/6	

HONEYCOMB.		
Toilet & Bath		
Good 2nd Quality.		
Pieces in Case.	Average Price per Piece.	
300 at	4d.	
270 "	6d.	
180 "	9d.	
170 "	1/-	
160 "	1/6	
140 "	2/-	
120 "	2/6	
110 "	3/-	
90 "	3/6	
80 "	4/-	
75 "	4/6	
70 "	5/-	
65 "	5/6	
60 "	6/6	

FINE TURKEY CUPS		
1st Quality.		
PICKED SHAPES.		
Pieces in Case.	Average Price per Piece.	
300 at	1/-	
200 "	1/6	
150 "	2/-	
140 "	2/6	
100 "	3/-	
90 "	3/6	
80 "	4/-	
70 "	4/6	
60 "	5/-	
50 "	6/-	
Bath	45 6/6	
Selected	40 7/6	

FINE TURKEY		
SOLIDS.		
SELECTED SHAPES.		
1st Quality		
Pieces in Case.	Average Price per Piece.	
200 at	6d.	
Nursery	200 1/-	
200 "	8d.	
200 "	1/-	
Toilet	150 1/3	
"	100 4/-	
"	100 2/-	
"	80 2/6	
Bath	50 3/-	
"	36 4/-	
"	24 5/-	



IMPORTANT NOTICE. THE CONTENTS OF THE ABOVE CASES WILL BE PRESS-PACKED AND SENT POST FREE TO COLONIAL AND FOREIGN BUYERS WITHIN THE RADIUS OF PARCELS POST.

LOOSE GOODS DEPARTMENT Sponges in Small Packages. Fine Turkey. Fine Egyptian and Honeycomb. In 1st, 2nd and 3rd Qualities. Bleached or Unbleached (state which in ordering). On Strings of 1 dozen pieces or loose in bags. At per dozen: 2s., 3s., 4s., 6s., 9s., 12s., 15s., 18s., 24s., 30s., 36s., 42s., 48s., 54s., 60s., 66s., 72s. Bleached Cuban. At per String or Dozen. Wool, Grass, Yellow and Fine. 1s., 2s., 3s., 4s., 6s., 9s., 12s., 15s., 18s., 24s.

NEW VELVET HONEYCOMB. Soft, Durable and large for money. Suitable for Toilet and Bath purposes.

PRICES—Cut Shapes ... 3s., 4s., 6s., 9s., 12s., 15s., 18s., 21s., 24s. per dozen.

" Natural Shapes ... 4s., 6s., 9s., 12s., 15s., 18s., 21s., 24s., 30s., 33s., 36s.

Strongly recommended where an inexpensive Toilet and Bath Sponge is required.

BAISS BROTHERS**& STEVENSON, Ltd.**

**SURGICAL
INSTRUMENTS
AND
HOSPITAL FURNITURE.**

DRESSINGS.

**STERILISERS FOR
DRESSINGS AND
INSTRUMENTS.**

**WATER BEDS,
AIR CUSHIONS AND
ENEMAS.**

**DISPENSING SCALES
AND WEIGHING
MACHINES.**

**SURGEONS' AND
MIDWIVES' BAGS.**

**VETERINARY
INSTRUMENTS,
ETC.**

A NUESTROS AMIGOS DEL SUD Y AMERICA CENTRAL Y LAS ANTILLAS.



*Durante los ultimos meses
hemos agrandado la capaci-
dad de nuestra fábrica y
laboratorios.*

*Si nuestros amigos desean
aprovecharse de esta ocasión,
sírvanse pues tener la bondad
de notificarnos á tiempo lo
que necesiten.*

**FINE CHEMICALS
OF ALL DESCRIPTIONS.**

**STANDARDISED
TINCTURES AND
EXTRACTS.**

**CONCENTRATED
INFUSIONS AND
DECOCTIONS.**

DISINFECTANTS.

**POWDERED DRUGS,
STANDARDISED.**

**PILLS AND
COMPRESSED TABLETS.**

**CONCENTRATED
SOLUBLE ESSENCES.**

**CHEMISTS'
PACKED SPECIALITIES.**

**EMULSION OF
COD LIVER OIL,
ETC.**

PRICE LISTS IN VARIOUS LANGUAGES.

BAISS BROTHERS & STEVENSON, Ltd.

Wholesale and Export Druggists, Manufacturing Chemists and Makers of Surgical Instruments,

Contractors to His Majesty's Government; the Crown Agents for the Colonies; various Foreign Governments; and the principal Hospitals and Institutions at Home and Abroad.

174, 175, 176 GRANGE ROAD, BERMONDSEY, LONDON, S.E.

Established 1833.

YVONNE CREAM

and

YVONNE MEDICATED MEAL

The most exquisite preparations ever offered to the Trade, and which are now being extensively advertised.

YVONNE CREAM is made from a new base only recently discovered, is the most effectual beautifying Cream extant, and is quite distinct from any other preparation on the market.

YVONNE MEDICATED MEAL. Something entirely new, and should be stocked by every Chemist, as we believe in securing the goodwill of the individual Chemist as well as creating a demand through press publicity. We have fixed our prices to allow the Trade 33 $\frac{1}{3}$ % Profit on sales, and we think that every Pharmacist will agree that such Profit is very fair upon advertised articles. In addition, for the next few weeks we are making the following **SPECIAL OFFER**:

To every Chemist ordering	1 doz. Yvonne Cream	...	...	1/- size at 8/-	} Carriage Paid
	1 "	...	...	6d. " " 4/-	
	1 " Yvonne Medicated Meal Pads,	4d.	" " 2/9		

we will send, **Gratis**, 1 Gross Yvonne Cream 1d. Samples, beautifully boxed for Counter display, together with supply of Pamphlets. All orders will be executed in strict rotation.

THE YVONNE CO., 25 Duncan Terrace, City Road, London, E.C.

TITTERTON'S

CELEBRATED

HAIR BRUSHES



GOOD PROFITS

are made by selling

TITTERTON'S
CELEBRATED
BRUSHES

(Hair, Tooth, Nail & Shaving Brushes).

They have a world-wide reputation for excellence of quality, and perfection of workmanship. Should be stocked by all Chemists desiring to give the public the best value for money.

Illustrated Catalogue on application.

TITTERTON & HOWARD,

Brush Manufacturers,

8 & 10 Great Titchfield St., London, W.

Selling Splendidly!



THE
WHITE + CROSS
CARBOLIC
TOOTH POWDER

Confined to Pharmacists!

SMALL SIZE: 1 doz. 3/-; 3 doz. 2/9; 6 doz. 2/6;
1 grs. lots 27/-. **LARGE SIZE:** 1 doz. 4/-; 3 doz.
3/9; 6 doz. 3/6; 1 grs. lots 39/-.

The Institute of Hygiene have granted their Certificate of Merit for this article; also for the

WHITE CROSS BABY POWDER

IN DECORATED SPRINKLER TINS:

1 doz. 5/-; 3 doz. 4/9; 6 doz. 4/6; 1 grs. lots 48/-
On the P.A.T.A. at 7 $\frac{1}{2}$ d.

Showcards issued for both articles, being a reproduction of the Certificate of Merit.

Owing to the increased cost of ingredients and the enormous rise in tin boxes we have been obliged to slightly alter the price of these articles, and in the case of the Baby Powder have increased the P.A.T.A. price by 1 $\frac{1}{2}$ d. to 7 $\frac{1}{2}$ d.

Write for Samples and judge for yourself.

SHIRLEY BROTHERS, LTD.
WHITECROSS WORKS : LONDON, S.E.



HAYWARD'S

Eureka

WEED KILLER

"EUREKATINE" FUMIGANT.**INSECTICIDES. LAWN SAND. WORM KILLER AND ALL GARDEN CHEMICALS.**

EASIEST TO SELL. STRONGEST & SAFEST PACKING.
PROTECTED PRICES. SALES THROUGH AGENTS.

Please write for Advertising
Particulars, Window Displays, &c.

TOMLINSON & HAYWARD, LTD., LINCOLN.

Necessary Dairy Preparations. 60 Years' Reputation.

TOMLINSON & CO.'S

BUTTER POWDER,
BUTTER COLOUR,
PRESERVATIVE,
CHEESE RENNET,
CHEESE COLOUR,
&c., &c.

On P.A.T.A.

ATTRACTIVE ADVERTISING.

**WILLSON'S**

LIQUID ANNATTO,
JUNKET TABLETS,
CURD PRODUCER,
LACTIC ACID FERMENT,
PERTH TINTS, &c. &c.

Please note: TOMLINSON & HAYWARD
are now the sole proprietors of these
preparations.

WRITE FOR
LISTS, &c.

Tomlinson & Hayward, Ltd., Lincoln.

HAYWARD'S SHEEP DIPS

Approved by the Board of Agriculture, and used in all Sheep Countries.

HAYWARD'S

Yellow Paste Dip.
Combined Glycerine Dip.
Liquid Dips.
Non-Poisonous Paste
and Cake Dips.

Attractively packed with Agent's own
name if desired.

GOOD SELLERS!**GOOD PROFITS!****ATTRACTIVE ADVERTISING MATTER!****HAYWARD'S**

Foot Rot Paste and Liquid.
Sheep Marking Paints.
Lung Worm Specific.
Warble Fly Smear.
Luddington's Oils
Condition Powders, and
Veterinary Medicines.

Write for Particulars
to Sole Manufacturers

TOMLINSON & HAYWARD, Ltd., LINCOLN.

SOLPORT BROTHERS,

(Established 1857),

LIMITED.

184 to 190 Goswell Road, London, E.C.

Telephone : 4363 CENTRAL.

Telegrams: "SOLPORT, BARB, LONDON."

MANUFACTURERS (Wholesale and Export) of Druggists' Sundries & Toilet Accessories

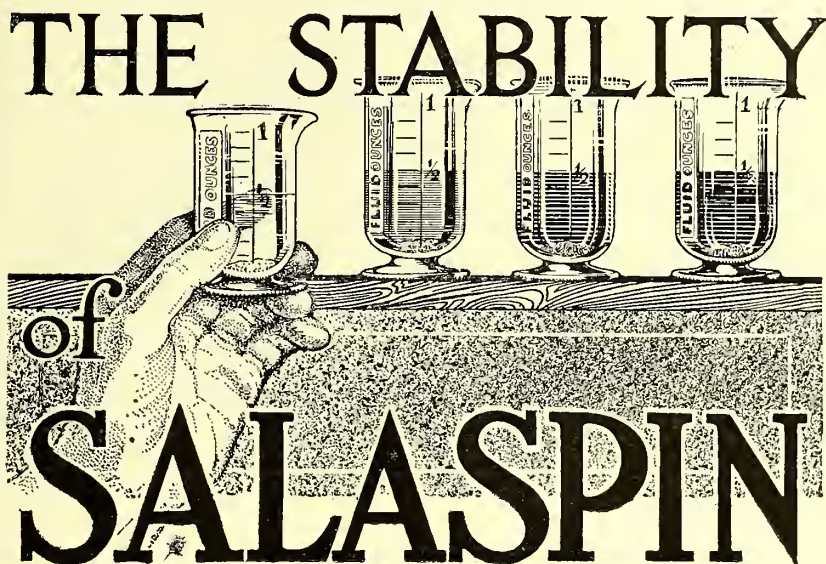
Corn and Bunion Plasters
 Corn Shields
 Corn Silk
 Bath Cloves and Cauntlets
 Massage Gloves and Cauntlets
 Loofah Cloves
 Bath and Flesh Straps
 Horshair Friction Cloves
 Horshair Friction Straps
 "Frictor" Gloves and Straps
 Bath Pads
 Washing Squares
 Bath Mats
 Knitted Cotton Friction Gloves
 Knitted Woollen Friction Gloves
 Sleeping Gloves
 Sleeping Socks
 Loofah Socks
 Hair Socks
 Court Plaster
 Gold-Beater's Skin
 Oiled Silk
 Cutta Percha Tissue
 Respirators
 "Portia" Baby Balances
 Yeo's Inhalers
 Loofahs
 Finger Stalls, Chamois
 Finger Stalls, Silk
 Finger Stalls, Stockingette
 Finger Stalls, Kid

Finger Stalls, Cotton
 Finger Stalls, Poplin
 Finger Stalls, Paroubek's
 "Foldo"
 Finger Stalls, "Auto"
 Finger Stalls, Elastic Thread
 Loofah Sandals
 Mouchesrides
 Sponge Felt
 Impermeable Piline
 Wrist Straps
 Paroubek's Wrist Straps
 Chest Protectors, Scarlet Felt
 Chest Protectors, Grey Felt
 Chest Protectors, Stockingette
 Chest Protectors,
 Chamois-lined
 Chest Protectors, Pine Felt
 Chest Protectors, Furfelt
 Chamois-lined Vests
 Body Belts
 Hot Water Bottle Covers
 Throat Compresses
 Turkish Towels
 Powder Puffs
 Rouge Puffs
 "Snow Queen" Wool Puffs
 Puff Boxes
 Puff Bowls
 Vanity Boxes and Mirrors
 Nail Polishers
 Nail Polishing Stones

Nail Trimmers
 Nail Files
 Tweezers
 Manicure Sticks
 Powder Books
 Face Chamois
 Complexion Cloves
 Eyeshades, Silk
 Eyeshades, Celluloid
 Reading Shades
 Vaccination Shields & Pads
 Nursing Aprons
 Filter Bags
 Sponge Bags
 Sponge Wraps
 Bathing Caps
 Toilet Holdalls
 Safety Pins
 Combs and Brushes
 Toothpicks
 Caustic Pencils
 Indiarubber Sponges
 Enemas
 Chamois Leathers
 Sponge Baskets
 Shaving Brushes
 Tooth Brushes
 Nail Brushes
 Hair Brushes
 Throat Brushes
 Dr. Dale's Dentos

EXPORT INQUIRIES are solicited for the above goods, in which we specialise.

MOST CAREFUL ATTENTION IS GIVEN TO THE EXECUTION OF FOREIGN AND COLONIAL INDENTS.



THE STABILITY of SALASPIN

THE fact that "Salaspin" is more stable in its purity than any other brand of Acetyl-Salicylic Acid is of practical & not merely academic importance

Cardiac depression and irritation of the Digestive tract result from the use of unstable or impure Acetyl-Salicylic Acid---hence the vital importance of always supplying "Salaspin" which not only contains no free Salicylic Acid when freshly made but remains stable even in the human stomach, only becoming disassociated in the alkaline fluids of the Duodenum.

"Salaspin" tablets, when subjected to the Ferric Chloride test, give no reaction (indicative of more than B.P. purity) and the solution may be kept for several hours without the development of free Salicylic Acid and its tell-tale violet strain. We know of no other Acetyl-Salicylic Acid tablets which fulfil this drastic condition.

"Salaspin" is manufactured (not merely compressed) in our Garden Factories at Bardsley Vale, thus enabling us to protect our customers in a way which would be impossible had we to depend on purchases made in the open market for our supplies of Acetyl-Salicylic Acid. Free Samples of "Salaspin" with trade prices will be sent to any Pharmacist on request

THOMAS KERFOOT & CO.,
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, England.
ESTABLISHED 1767.

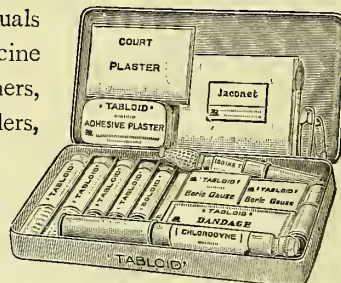
TRADE
MARK

'TABLOID'

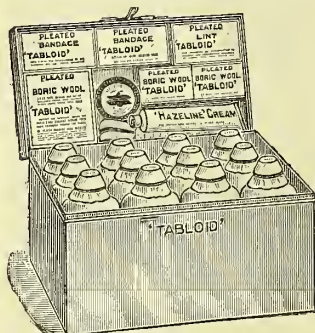
BRAND

Medical Outfits

WITHIN your reach are individuals who will buy these Medicine Cases. Why not approach farmers, ranchers, planters, miners, travellers, ship-masters, military officers and their relatives, etc. Profitable business is sure to result. You can meet all needs and purses from the series of 'TABLOID' Outfits.

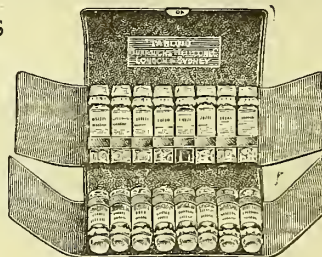


No. 109. 'Tabloid'
Medicine Pocket-Case
Measurements: $6\frac{1}{4} \times 3\frac{1}{4} \times \frac{7}{8}$ in.
In Japanned Metal
Price in London 7/6, subject



No. 258. 'Tabloid'
Medicine Case
Measurements: $8\frac{1}{4} \times 4\frac{3}{8} \times 5\frac{3}{4}$ in.
In Japanned Metal
Price in London 45/0, subject.

DO NOT
MISS THIS
BUSINESS



No. 117. 'Tabloid'
Medicine Pocket-Case
Measurements: $7\frac{1}{2} \times 4\frac{1}{2} \times 2\frac{5}{8}$ in.
In various leathers and hides
Approx. price in London from 37/0, subject

FOR
PEACE

FOR
WAR

See also B. W. & Co's. Price List
Further particulars on request



BURROUGHS WELLCOME & CO., LONDON (ENG.)

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Calle Alsina, 758



'TABLOID' OUTFITS NOS. 117 AND 258



'TABLOID' OUTFIT NO. 109

'KEPLER' Malt Extract

(Trade Mark)

For Preparing Humanised Milk

THOUSANDS of infants are fed on humanised milk which is bought ready prepared. You can secure profitable business by advocating the home-preparation of the milk with 'KEPLER' MALT EXTRACT. Directions for distribution supplied. See also Wellcome's Pharmacist's Diary.



Reduced facsimile

'Kepler' Malt Extract is supplied in bottles at 22/3 and 39/0 per dozen, subject (Prices in London)

HAZELINE SNOW

(Trade Mark)

The Pioneer Non-Greasy Emollient

THE demand for this product is enormous thanks to real merit and the makers' efforts. To realise this it is only necessary to let it be known in your district that you stock "HAZELINE" SNOW." Use the showcards issued by the Firm.



Reduced facsimile

'Hazeline' Snow' is supplied in glass pots at 11/0 per dozen, subject (Price in London)

FOR
HEALTHFOR
BEAUTY

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KEPLER MALT EXTRACT



"HAZELINE SNOW"

WARRICK BROTHERS, LIMITED

CHOCCELLÆ.
PULVELLÆ.
FLEXOIDS.
FLEXETTES.
FIZZLETS.
REFRESHLETS.
EXTRAITS AUX FLEURS.
ESSENTIAL OILS.
POMADES (FLORAL).
ROSE WATER.
SACHETS.
PERFUMES.
SYNTHOROSE.
CACHOUS.
FRAGRETS.
PERLES.
PASTILLES.
LOZENGES.
ORIFORM LOZENGES.
WALMSLEY CLEANING
PADS.
CAPSULES.

NOSTRONES.
COMPRESSED TABLETS.
AMULETS.
POT POURRI (CINET'S).
JAPADUMS (CINET'S).
TOILET SOAPS.
CHAPIREAU'S CACHETS.
CINET'S GOODS.
CACHETS.
CACHET APPARATUS.
ZEPHYR BUTTONHOLES.
PERFUMETTES.
OTTOLETTES.
ZOMBS.
CHANTICLEER.
LUBRILAX.
THE "FLAG"
EAU DE COLOGNE.

Also Special Agents for
JELLOIDS.
IRON JELLOIDS.
DULCILAX.

6 Nile Street, City Road, London, N.

CLOSE TO THE EAGLE.

Telephone: LONDON WALL 2452 (2 Lines).

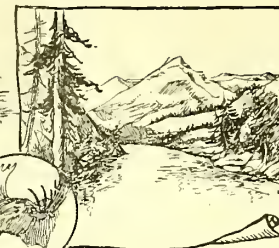
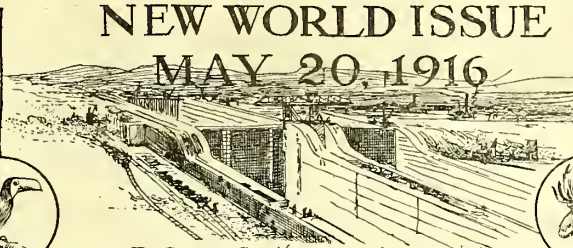
Telegrams: "WARRICKERS, HOX LONDON,"

CORRESPONDENCE FROM OVER-SEAS SOLICITED.

THE CHEMIST & DRUGGIST

NEW WORLD ISSUE

MAY 20, 1916



The Panama Canal (in course of construction)

Published at the Head Office: 42 Cannon Street, London, E.C.
Branch Offices: Adelaide, Melbourne, and Sydney, Australia.

Subscription: 12s. 6d. per annum, post free to any part of the World.

Price of this Issue, 6d., post free.

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Coming Events.

Sunday, May 21.

Pharmacists' Volunteer Training Corps, Millbank Schools, Erasmus Street, Westminster, S.W., at 10 A.M. Drill and lecture. The bacteriological classes will be held on Wednesday, May 24, from 10.30 A.M. to 5 P.M., with luncheon interval, and on Thursday in the afternoon from 3 to 5.

Wednesday, May 24.

Royal Society of Arts, John Street, Adelphi, London, W.C., at 4.30 P.M. Mr. J. C. Moulden on "Zinc: Its Production and Industrial Applications."

Thursday, May 25.

Western Pharmacists' Association, Restaurant Frascati, Oxford Street, London, W., at 8.30 P.M. Annual meeting and election of Committee.

Drug Trade Appeal Fund, St. Bride Institute, Ludgate Circus, London, E.C., at 3 P.M. Annual meeting of subscribers.

Friday, May 26.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 5.30 P.M. Professor C. G. Barkla on "X Rays."

FAIRCHILD SCHOLARSHIP AND PRIZES.—Students are requested to note that Thursday, June 1, is the final date upon which Mr. A. E. Holden, Secretary to the Committee of Trustees of the Fairchild Scholarship and Prizes, 64-65 Holborn Viaduct, London, E.C., can receive applications by those who desire to enter for the examination which will be held next month. Students can obtain the form of entry from Mr. Holden by postcard request.

European War News.

Prohibited Exports.

NETHERLANDS.—A Royal Decree of April 28 prohibits the exportation from the Netherlands of empty and filled steel cylinders for all kinds of compressed or liquefied gases.

UNITED KINGDOM.—A revised and complete list of prohibited exports is contained in a Royal Proclamation of May 10, and was published in the "London Gazette" of May 12. It is not much larger than the list published in *The Chemist and Druggist Diary*, but it is strictly alphabetical, and each item has its class specified by A, B, or C, these referring to the particular destinations, thus:

A, Exportation prohibited to all destinations.

B, Exportation prohibited to all destinations abroad other than British Possessions and Protectorates.

C, Exportation prohibited to all foreign countries in Europe and on the Mediterranean and Black Seas, other than France and French Possessions, Russia, Italy and Italian Possessions, Spain, Portugal, and to all ports in any such foreign countries and to all Russian Baltic ports.

Drugs for Service Men.

Under the Defence of the Realm (Consolidation) Regulations, 1914, the Army Council has made the following order:

No person shall sell or supply any article specified in the schedule to this Order to or for any member of his Majesty's Forces unless ordered for him by a registered medical practitioner on a written prescription, dated and signed by the practitioner with his full name and qualifications, and marked with the words "Not to be repeated," and unless the person so selling or supplying shall mark the prescription with his name and address and the date on which it is dispensed.

SCHEDULE.

Barbitone (2).	Opium (1).
Benzamine lactate (1).	Morphine (1).
Benzamine hydrochloride (2).	Sulphonal and its homo-
Chloral hydrate (2).	logues (2).
CoCa (2).	All other salts, preparations,
Cocaine (1).	derivatives, or admixtures
Codeine (1).	prepared therefrom or there-
Diamorphine (1).	with (1 or 2).
Indian hemp.	

The figures (1) and (2) are ours, and indicate the parts of the Schedule of Poisons in which the substances are. It is here assumed that the synthetic products—*c.g.*, benzamine lactate—are alkaloids in the sense of the schedule.

Miscellaneous.

LICENCES FOR STARCH, ETC.—In further reference to the recent prohibition of starch, dextrin, farina, and potato flour, the Board of Trade have now decided to issue a general licence permitting the importation.

ENEMY FIRMS WOUND UP.—Among the firms wound up by the Board of Trade, announced in the "London Gazette" of May 16, are: A. Wulffing & Co., 12 Chancery Street, London, W.C., manufacturers of sanato-gen,

C

formamint, etc.; Paul Metz, 215 Newhall Street, Birmingham, importer of hardware, etc.; and L. Auerbach & Co., 2 Aldermanbury Buildings, Aldermanbury, London, E.C., metal-leaf and bronze-powder manufacturers.

"THE KING OF GRIEF" was the title given to a four-column advertisement published in the "New York Herald" and the "New York Tribune" on April 8 (King Albert of Belgium's birthday). The announcement was for the fund for the relief of the Belgians in their own country. The advertisement was an artistic literary achievement, and we understand had good results. The Chairman of the New York Committee of the Commission for Relief in Belgium is Mr. Samuel W. Fairchild.

Military Tribunals' Decisions.

The following are reports of applications to local Military Tribunals:

ASHBURTON.—The exemption was refused of Wilfred Evans, assistant to his father, Mr. D. O. Evans, who is seventy-five years of age. Mr. P. F. Rowsell attended to support the appeal, and, when it was refused, intimated that he should refer the case to the National Health Insurance Commissioners.

BATTERSEA.—Conditional exemption was granted to the works chemist employed by Wolff & Son, pencil-makers, who is indispensable on account of his special knowledge.

BIRKENHEAD.—Exemption was refused to a chemist's son in whose place it has not been possible to obtain a substitute.

BURNHAM (SOMERSET).—Mr. W. H. Woodman, chemist and druggist, applied for conditional exemption for his assistant, G. H. Penny, but this was refused.

CARMARTHEN.—A farmer's son, not a registered chemist, who is carrying on a wholesale wine-and-spirit business and also a chemist's, was granted exemption until August 1.

DOVER.—Mr. E. W. Ewell, chemist and druggist, was exempted from military service, on the recommendation of the Advisory Committee on the Recruiting of Chemists.

DUDLEY.—Two months' exemption was granted to a panel chemist who also dispenses at a local institution. The claim was supported by the Insurance Committee.

EXETER.—Mr. H. Wippell Gadd, representing Evans, Gadd & Co., Ltd., wholesale druggists, appealed for a few months' exemption for Clifford J. Moore, who is engaged in the final checking of drugs. Since the war thirteen men have enlisted. A fortnight's exemption was granted.

GRANTHAM.—The application for exemption of A. A. G. Bottis, described as a chemist, was refused. Applicant did not appear, but wrote a long letter to the Tribunal regarding his rejection by the military authorities on previous occasions.

HARWICH.—The application for exemption of a chemist's assistant was adjourned for a week to enable the Military Representative to consult the Insurance Committee.

HAWARDEN.—Conditional exemption was granted to Mr. R. G. Dann, chemist and druggist, so long as he dispenses medicine under the National Insurance Act.

HITCHIN.—Three months' exemption was granted to Mr. Geo. Swinnerton, chemist and druggist, manager of the shop of the Timothy White Co., Ltd. The shop has been open eleven years, but will have to be closed if Mr. Swinnerton goes.

HORSHAM.—Six months' exemption was granted to two assistants engaged as Insurance dispensers whose cases were supported by the West Sussex Insurance Committee. The Military Representative strongly objected.

HULL.—A chemist and druggist in business in Holderness Road was granted exemption until October 1. He is an Insurance dispenser, and his application was supported by Mr. Sellé, of the Pharmaceutical Committee.

LINCOLN.—Mr. T. W. Srigley, chemist and druggist, engaged in Insurance work, was granted a month's exemption. Mr. H. W. Martin, chemist and druggist, was granted three months' exemption.

LOWESTOFT.—The application on May 12 for exemption of a panel chemist in sole charge of a business was refused.

MILLOM.—The case of Peter E. McCulloch, an Insurance dispenser, who had previously been granted absolute exemption, was reconsidered, on appeal by the Military Representative. He was now granted exemption so long as he remains in his present employment.

NEWPORT (ISLE OF WIGHT).—Conditional exemption was granted to Mr. J. E. H. Burgess, chemist and druggist, with the Timothy White Co., Ltd. The company has closed one of its branches at Newport.

PERTH.—Three months' exemption was granted in the case of the manager in the employ of a manufacturing chemist who specialises in rat-poison and weed-killers.

PETERHEAD.—Mr. James Simpson, chemist and druggist, applied for the exemption of two assistants, A. Young and J. S. Davidson. Young was granted conditional exemption, but Davidson was refused.

SANDGATE.—Conditional exemption was granted on May 10 to Mr. E. T. W. Timms, chemist and druggist.

SHANKLIN.—The military authorities appealed against the grant of certificates of exemption to Mr. W. J. Deeks, chemist and druggist (employed by Mr. W. T. Deeks, Ph.C.), and Mr. A. J. Pionchon (employed by Mr. A. Ashfield, Ph.C.), but the Tribunal dismissed the appeal, the Chairman holding that it is necessary to have more than one man in each chemist's business.

SHARDLOW.—Mr. Hubble was granted temporary exemption for his son, who is a student at the London College of Pharmacy, to enable him to sit for the Minor examination in July.

SHEFFIELD.—The assistant dispenser and x-ray operator at the Royal Hospital, Sheffield, have been granted conditional exemption.

SOUTHWARK.—William Toogood, Ltd., wholesale druggists, 77 Southwark Street, S.E., were granted a month's exemption for a traveller, who is doing over 1,000l. worth of business a month. Manners & Hopkinson, wholesale druggists, 82 Southwark Bridge Road, S.E., applied for exemption for a wholesale druggist and a chemist and dispenser. It was stated that the men are engaged in supplying drugs to the Red Cross Hospitals and many public institutions, while the second man is dispensing Insurance prescriptions. Exemption was granted, as both are in certified occupations. An assistant employed by Boots, Ltd., as Insurance dispenser was granted exemption. B. L. & N. Phillips, Ltd., analytical chemists and chemical manufacturers, 124 Southwark Street, applied for the exemption of five married men. Mr. Phillips said the company held several Government contracts. Three men were granted a month's exemption, and the other two applications were refused. Mr. Phillips was urged to apply for war badges for his employees.

STAFFORD.—Six months' exemption was granted to a chemist's assistant engaged in Insurance dispensing, the claim being supported by the Insurance Committee.

STROOD.—The application for exemption of Mr. H. C. Freestone, chemist and druggist, with Ostler & Co., Ltd., was postponed for a month. It was stated that an assistant in the same shop had already been granted conditional exemption, and that it is impossible to dispense 6,000 to 7,000 Insurance prescriptions a year single-handed.

TAUNTON.—At the Somerset Appeal Tribunal, Mr. S. B. White, chemist and druggist, managing director of Gregory & Wrenn, Ltd., applied for the exemption of F. J. Greedy, an assistant engaged in Insurance dispensing. Conditional exemption was granted.

WELLINGTON.—Exemption until August 1 was granted to a chemist's assistant on domestic grounds, and also because he is studying for the pharmaceutical examinations.

WESTON-SUPER-MARE.—Mr. H. W. Vanes, chemist and druggist, Insurance dispenser, and optician, was granted conditional exemption. He is working his business single-handed.

WEYBRIDGE.—Mr. W. N. Ashworth, chemist and druggist, was granted conditional exemption on the ground that he is dispensing for the Insurance Committee and local military hospitals.

WORTHING.—Three months' exemption was granted to a qualified chemist employed in a business where the proprietor's son and four other men have joined the Forces and another man has been passed for home garrison duty.

Business Changes.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MR. P. R. LEWIS, chemist and druggist, formerly of Guildhall Square, Carmarthen, has opened an up-to-date pharmacy at High Road, Balham, London, S.W.

MR. J. E. GOODALL, pharmacist, 66 Lower Richmond Road, Putney, London, S.W., has purchased Tyler's Drug-stores, High Street, Marylebone, W., and will carry it on as a branch.

SAVORY & MOORE, LTD., 143 New Bond Street, London, W., have acquired all the prescription and private formulæ books of Godfrey & Cooke, chemists, 30 Conduit Street, and latterly 7 Royal Arcade, Old Bond Street, London, W.

MR. A. R. POWELL, chemist and druggist, Upwell Street, Sheffield, has taken over the pharmacy of Mr. J. H. Holton, Ph.C., at Grimthorpe Road. The business will be conducted as a branch under the managership of Mr. G. E. Banham, who was formerly with Mr. Geo. Owen and Boots, Ltd., Duke Street.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Royal Academy of Arts.

The Exhibition of the Royal Academy of Arts, Burlington House, Piccadilly, London, W., which opened this month, contains a number of pictures relating to the war. Several of the paintings deal with scenes in hospitals, but, so far as we could see at a recent visit, no picture can be said to have a direct pharmaceutical interest. Among the portraits are several of medical men—*e.g.*, (142) Dr. D. Lloyd Roberts, Manchester; (362) Lieut.-Col. Bruce-Porter, R.A.M.C. (T.); (556) Mr. Buckston Browne; (560) Major Theodore Dyke Acland, R.A.M.C. (T.); and (1,259) Dr. Cyril Horsford. In Gallery No. VI. there is a full-length portrait (613) of Sir William H. Lever, Bart., while in the Sculpture Hall is a marble bust of the late Lady Lever. The Architectural Room contains a drawing (1,751) of the entrance to the new building of the General Medical Council in Hallam Street, W. The model for the statue of Joseph Priestley which is over the doorway of the new premises of the Institute of Chemistry, Russell Square, W.C., is shown in the Sculpture Hall. There is also here a fine wall memorial, by Mr. L. F. Roslyn, R.B.S., to the late Robert Clay Sudlow, in marble and bronze, which is to be erected in the Grand Lodge of England. The memorial measures 6 ft. long and is 5 ft. deep. We are indebted to the artist for a photograph of it, from which we have reproduced the following engraving:



This picture shows the remarkable beauty of the memorial. The figure to the left represents Honour and that to the right Truth. The white marble upon which the portrait is bears the following inscription:

Erected | by his Masonic friends | to the memory | of | Robert Clay Sudlow | Past Grand Deacon of the United Grand Lodge of England, and Past Assistant Grand Sojourner of the Supreme Grand Chapter. | For 30 years Senior member of the Committee of the Emulation Lodge of Improvement, &c.

An illustrious Freemason and loving friend, whose distinguished services to the craft, great personal charm, rare talents, and dignified, impressive, and correct rendering of Masonic ritual won for him universal esteem and admiration.

Born 10th January, 1846.

Died 17th February, 1914.

Bronze busts of Lieut.-Col. Bruce-Porter and Mr. Buckstone Browne and a bust of Dr. Barty King are also shown.

Birmingham.

The retail price of s.v.m. in Birmingham this week is 1s. per pint.

Business in Birmingham, as elsewhere, is becoming increasingly difficult. Such small things as chip-boxes are difficult to obtain even at three times the pre-war price.

Bellamy & Wakefield give notice that on and after Saturday, May 13, their establishment will be closed at 9 P.M. Is this the forerunner of a universal closing at 2 P.M. for the centre of the town, as suggested in the *C. & D.* some time ago?

Mr. J. C. Arblaster, Ph.C., who for many years had a high-class pharmacy in New Street, and must be now quite patriarchal in age, has relinquished his aerated-water business in Edgbaston, and the whole of the stock is to be sold by auction on May 23.

Mr. W. A. Dobbs, manager of the lacquer department of W. Canning & Co., chemists, Great Hampton Street, has received an official communication that his son, Corporal Geoffrey D. Dobbs, of the Yeomanry, has been missing since Easter Sunday. Mr. Dobbs has three more sons serving with the Colours.

Mr. Wilfred Hill, in a letter to the "Birmingham Post" on poison-gas from seeds, notes that veratrine is obtained from cevadilla-seeds, and that he submitted the idea to the war authorities in May of last year, when it was discovered that the production of veratrine only amounted to a few pounds per day in the whole world.

The city appears to have done well at the recent examination of the Apothecaries' Hall in London. Miss D. Sadler, a student of Miss B. Thompson's (Women's Hospital), was among the successful ones at her first attempt. There were over 200 candidates, about half of whom were successful. Would it not be useful to ascertain the towns from which the successful Apothecaries' Hall dispensers came?

The business of the late R. H. Featherstone, chemist and druggist, Market Square, Tunstall, Staffs, is still being carried on at that address under the provisions of the Pharmacy Act, 1868. Our Birmingham correspondent confirms this statement from our issue of April 22. The statement made in our issue of April 15 that the premises are not now used as a chemist's shop was an error, the publication of which we regret.

Liverpool.

Owing to the scarcity and dearth of tin, ointments, etc., are being put up in grease-proof or willowette boxes.

Some retailers report that dull trade set in just before Easter, and no recovery is yet noticeable. The wholesale drug-houses, however, are busy, so that the quietude must be very limited in extent.

Among the spontaneous contributions to the Roll of Honour Fund raised by the Lord Mayor of Liverpool were the entire receipts of a concert organised by the staff of Ayrton, Saunders & Co., Ltd. Held at the Seamen's Institute, Hanover Street, and presided over by Mr. W. H. Saunders (chairman of directors), the programme was largely contributed by members of the staff, and received with enthusiasm. The hall was filled to overflowing, and the "collection" amounted to 20l.

A sudden and novel demand on a leading Hanover Street drug-house was met, the other day, with great promptitude. The tradesmen of Bray, finding themselves cut off indefinitely from their Dublin supplies, chartered a vessel, which arrived at Birkenhead with many orders for groceries and provisions, together with emergency orders from every pharmacist in Bray for drugs and other requirements. Within four hours all these orders were executed, the vessel caught the tide, and returned to Ireland in safety.

Friends of the soldiers at the Front have realised the value of the safeguards against bodily injury, infection, illness through exposure, and the assaults of vermin. Hence a steadily increasing sale of the preventives, together with creature comforts, offered by pharmacists, who understand, from their own expert training, what is reliable and effective. The packing-rooms of the wholesalers, as well as the windows and counter-cases, both in the central area and all the suburbs, bear witness to this dominant aspect of passing trade.

Sheffield.

Several of the local chemists have received a War Office circular asking what staff they had previous to the war, of how many it consisted on February 28, the number now employed, and the number of females in their employ.

Mr. Job Preston, Barker's Pool, is exhibiting an illustrated Roll of Honour in his window which does him great credit, nine assistants having joined the Colours, including three of his own family. One member of the staff, Mr. Needham, has secured the D.C.M.

The authority given under the Military Service Bill to re-examine the medically unfit may hit the chemists, as the claims put forth for assistants were influenced by the number of assistants or apprentices who had been rejected from military service on medical grounds. If these men are taken the whole question will have to be reopened with the Insurance Committee in order to secure an adequate pharmaceutical service.

Mr. H. Antcliffe, pharmacist, Sheffield, was elected a member of the Executive Council of the National Poor-Law Officers' Association at the conference at Cardiff on

May 13. Mr. Antcliffe, who headed the poll for Group 1, is the first pharmacist to secure a seat upon the Executive. The many Sheffield friends of Mr. Tom Percival, late representative of the C. & D., will be pleased to hear that he was unanimously elected President.

War Office Contracts.

The following contracts were made during April: *Bacteriological apparatus, chemicals, etc.* (term contracts), Baird & Tatlock (London), Ltd.; C. Hearson & Co., Ltd. *Disinfectants*, C. K. Harker, Stagg & Morgan, Ltd. *Medicines*, H. & T. Kirby & Co., Ltd. *Methylated spirit*, B. Biggs & Co., Ltd.; May & Baker, Ltd.; Waters & Co., Ltd. *Titanium antitoxin*, Burroughs Wellcome & Co.

Herb-growing.

A well-attended meeting was held in the Ipswich Town Hall on May 10 with the view of starting a County Herb-growing Association. The Hon. Rosamund Hanbury took the chair, and in the course of opening the proceedings said a central Association had been started some months ago, and it was now proposed to start an affiliated Association in Suffolk. Mr. John Sherwood read the provisional prospectus, which stated that receiving depôts would be arranged in various centres where the herbs could be dried when necessary. An expert would be engaged by the Association, whose services would be at the disposal of the members, upon the payment of expenses. The annual subscription would be 2s. 6d.; in addition, there would be 5s. shares, which any member could take up to the extent of twenty shares, and further there would be 1l. shares free of interest. The profits would be available for the payment of dividends on ordinary shares or carried to a reserve fund. Miss Alice Sandford, Chairman of the central Association, said that it was only in 1915 that the country realised that the shortage of drugs was becoming serious, and the central Association was formed. It had met with a magnificent response, and they must see to it that only the best herbs were grown and supplied; therefore everyone must be careful to get the very best results to ensure that the druggists would rely upon them. Miss Cunningham placed before the meeting the aims and proposals of the Suffolk Association. They desired to grow herbs on a large scale by hiring land or arranging for the co-operation of growers—probably the latter plan. They proposed to establish local drying centres where consignments from the surrounding districts could be dealt with before the herbs had lost a great deal of their value. In the autumn the Committee would arrange for plots of ground for next year's crop, and they hoped that someone would be able to place at their disposal some unoccupied land free of charge. A representative of Stafford Allen & Sons, Ltd., Long Melford, said that his firm had every sympathy with the Association, and any information they could give they would with the greatest of pleasure. They could also supply the seeds of certain varieties of herbs. At the present time there is a great demand for coltsfoot and red poppies, which are both extremely common, and could be secured for the picking. The collection of a good quantity of these herbs would give the Association a good start. Miss Cunningham, Hasketon Rise, Woodbridge, Suffolk, is the Hon. Secretary of the newly formed Association. A similar meeting has also been held at Kintbury.

Miscellaneous.

MR. JOSEPH MAEKS, chemist, Lordship Lane, London, obtained, in the Divorce Court, London, last week, a divorce from his wife for her adultery with George Culver, a chemist's assistant, formerly employed by him.

CONCEALING OPIUM.—At the Thames Police Court on May 13, Yuer Fook was sent to prison for six months, and Ah Kow for nine months, for dealing in and concealing opium. In the former's possession on the s.s. *Fine Branch* 5½ lb. of opium was found, and Ah Kow had 15 lb.

FIRE.—The well-known pharmacy of Mr. H. C. Brierley, situated in the Market Place at the foot of the famous old Middleham Castle in North Yorks, has been destroyed by fire. Owing to the prompt measures of the brigade the fire was prevented from spreading to the adjoining warehouses.

THE SALE of the late Thomas J. Barratt's collection of pictures and other art objects was concluded at Christie's on Friday, May 12, the total realised being 28,487l. Mrs. Barratt bought a number of drawings and pictures, and Mr. A. F. Pears bought Phil May's "Appy Ampstead on Bank Holiday."

EARLIER CLOSING.—The Sleaford chemists have agreed to close daily from 1 p.m. to 2 p.m.—At Boston it has been arranged to close at 7 p.m. on Monday, Tuesday, Wednesday, and Friday; 1 p.m. on Thursday; and 9 p.m. on Saturday.—At Warrington Messrs. H. M. Ashton, Hill & Co.,

H. Smith, J. R. Young, and Boots, Ltd., announce that from May 13 they will close on Saturdays at 9 p.m.

EAST LONDON PHARMACISTS' BOWLING CLUB.—The season's opening meeting was held on the Poplar Bowling-green on Thursday afternoon, May 11, when there was a good muster of members. The following officers were appointed after a good game: Captain, Mr. A. R. Keith; Skips, Messrs. Wilson and Keith; Secretary and Treasurer, Mr. A. Styles, 393 Commercial Road, E.

SHOP-LIGHTING.—At Market Bosworth, on May 11, Mr. Bertram Simpson, chemist and druggist, Ibstock, was fined 10s. for a breach of the Lighting Regulations.—At the South-Western Police Court, London, on May 17, Guests, Ltd., chemists, Tooting, S.W., were fined 40s. for showing too much light on the evening of March 25. Mr. C. H. Kirby, solicitor, defended on behalf of the C.D.A.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Mr. Thomas Johnston, Ph.C., has been appointed pharmacist to the Voluntary Aid Detachment formed at Lisburn on May 12.

The Tipperary Guardians have appointed Mr. James Maloney compounder of medicines in the workhouse during the temporary absence of his brother.

Mr. F. A. Ferguson, Ph.C., is starting business at premises in High Street, Lurgan, to be known as the Windsor Pharmacy. Mr. Ferguson was apprenticed with Mr. John Black, Ph.C., Lurgan.

The Rebellion.

The Prime Minister, whose visit to Ireland is not yet over, has stated that it will be the duty of the Government to compensate the traders and others who have been such very heavy losers owing to the rebellion, and the manner and method of making compensation are left over for settlement between a deputation of the traders concerned and the Under-Secretary for Ireland.

The Under-Secretary to the Lord-Lieutenant on May 16 issued the following statement as to the distribution of the State grant to sufferers from the destruction of property in Dublin during the recent rebellion:

In connection with the destruction, both in Dublin and elsewhere, of buildings and their contents, the State will assume as the maximum of its *ex gratia* grant the same liability as would have fallen on the insurance companies if the risk had been covered by the policies in force at the time of the recent disturbances. Accordingly, his Excellency the Lord-Lieutenant has decided to appoint a Committee:

(a) 1. To ascertain what were the sums covered for ordinary fire risks by insurance policies in force at the time of the destruction of the property.

2. To advise what part of such sums would normally have been paid by the insurance companies if the destruction had been caused by accidental fire; and

(b) Having regard to the information obtained under the foregoing heads, 1 and 2, to advise how the several claims of innocent persons can fairly be dealt with.

For the foregoing purposes looting may be deemed to be burning, but no consequential damages of any kind are to be taken into account. In no case will any grant be made in respect of the property of persons in complicity with the outbreak.

Mr. C. O'Halloran, an assistant in Mr. Montgomery's establishment in Dame Street, Dublin, was shot through the foot in the recent rising.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Statistics for April show that dispensing during that month was heavier than in any other of the winter months.

Mr. Andrew Dargie, B.Sc., has been appointed successor to the late Mr. G. D. Macdougald, F.I.C., as public analyst for Perthshire.

Kirkcaldy is now the centre of sphagnum-moss preparation, and many bales have been forwarded. The recent rains have had a detrimental effect upon the moss, but given dry weather a plentiful supply is assured.

Edinburgh.

Most Edinburgh and Leith chemists will close all day on Victoria Day, Tuesday, May 23.

Boots, Ltd., announce that the business carried on at 46 Leith Street (Inman & Co.'s first shop in Edinburgh) will shortly be transferred to new and more commodious premises in the same thoroughfare.

"The Evening Dispatch" prints the following lines by R. L. Stevenson on "Duncliffe," the house of his friend the late Dr. H. Bellise Baildon, Ph.C., who in his lifetime was a pharmaceutical examiner and a member of the Pharmaceutical Council:

"When once that I am old, I'll plan
A house upon this very plan;
Have trees in front and ivy, too,
For birds to chase each other through.

And then when summer days are long,
Friend Baildon he will step along,
And having lit a fresh cigar,
Begin to talk about the war.

And I would tell him that I had
A plan, though he might think me mad,
Of going off to lead the war,
And taking prisoner the Czar.

And he would answer—What a joke!
You'd better stay at home and smoke;
And as for daily news, I say,
You'll have *The Scotsman* every day.

And I would answer soft and nice,
I think I'll follow your advice;
I'm far too old to think of war,
And so we'll light a fresh cigar."

One of the most entrancing chapters of "Weir of Hermiston" is laid in the dining-room of "Duncliffe," and Dr. Baildon once showed the present writer stains on the dining-room floor which were all that remained of a duel—it was supposed.

Glasgow.

Tuesday, May 23, being "May Day," will be observed as a general holiday.

The Scottish branch of the British Red Cross Society are advertising for a dispenser possessing either Major, Minor, or Hall qualifications—quite an "inducement" for one with the "higher diploma."

It is perhaps news to many chemists that the sale of paregoric to the Army is, under the new Order, entirely prohibited. [This applies to sailors and soldiers, and to any preparation containing paregoric.—Ed. C. & D.]

The late Lance-Corporal David M. Henderson, of the Cameron Highlanders, who was an assistant with Mr. G. Shiach Kitchin, Pollokshields, served his apprenticeship at Prestwick, and was with Cockburn & Co. before going to Mr. Kitchin. He enlisted in November 1914, and was twenty-five years old.

French News.

(From the "C. & D." Paris Correspondent.)

PROHIBITED IMPORTS.—The first list of prohibited importations into France has just been published. There are few items of direct pharmaceutical interest, but perfumery (soaps and others), mineral waters, and photographic apparatus are included.

"PUBLIC UTILITY" PHARMACISTS.—The Confraternal Association of House-Pharmacists of the Parisian Hospitals has just been officially declared "of public utility." At any other moment such official recognition would have given a special interest to the annual banquet, but it is highly probable that under existing circumstances it will be impossible to hold the traditional dinner on May 15, most of the members being with the Colours.

X-RAYS VICTIM.—Dr. Theodore Guilloz, who has died at Lyons from "radio-dermatitis," contracted during his long researches on x rays, was a pharmacist of the first class, and acted as assistant-professor at the Nancy Faculty. At the outbreak of the war, although already attacked by the fatal malady (one of his fingers had had to be amputated), Dr. Guilloz placed himself at the disposal of the authorities. He acted as head of the Central Radiological Service in the 20th and 21st Military Districts, and devised two x-ray apparatus which have rendered signal service in military surgical operations during the existing hostilities.

Legal Reports.

Arsenical Epsom Salt.—At Draperstown Petty Sessions, Hugh A. Cribben has been fined 1s., and 2s. 6d. costs, for selling Epsom salt adulterated with 80 parts arsenic per million. The B.P. 1914 allows 5 parts per million.

Packing Surgical Dressings.—In the Shoreditch County Court, before Judge Graham, K.C., on May 11, an application, under the Workmen's Compensation Act, was made on behalf of Mary Leaming, an infant, for an award against Arthur Berton, Ltd., 15-17 Worship Street, E.C., surgical-dressing manufacturers. The girl was a packer of bandages and other dressings, and hurt her leg against a lift on February 15. It was suggested that the girl still had an ulcerated leg which prevented her from working standing up. His Honour reserved judgment.

Use of Title "Dr." by a Company.—In the Court of Session action in which the Royal College of Physicians of Edinburgh sought to interdict Dr. Temple, Ltd., and others from using in connection with the business carried on at 7 West Register Street, Edinburgh, the name of "Doctor" or its contraction "Dr.," the defenders have put in a minute allowing the defences to be withdrawn and consenting to the interim interdict formerly granted being made perpetual, with expenses so far as not already dealt with to the complainers.

Cream of Tartar.—At Clogher Petty Sessions last week, James McLaren was summoned, under the Sale of Food and Drugs Acts, for selling cream of tartar containing an excess of lead over that allowed by the British Pharmacopœia. Mr. Joseph Smith, for the defence, claimed that the cream of tartar was not sold as a medicine, and therefore need not conform to the standard of the British Pharmacopœia. The Magistrates adjourned the case for a month to allow of the production of analytical evidence.—At Innisrush last week a similar case was heard, in which a fine of 1s. was imposed.

An Assistant's Illness.—At Ilford County Court, before Deputy-Judge W. H. Clay, on May 8, Walton Wadsworth sued William S. Steples, chemist and druggist, Romford, for 18l. wages in lieu of notice. Plaintiff was an assistant to defendant for eleven or twelve years. He was ill from February 4 to April 10, when questions arose as to wages and the notice to be given by defendant terminating the engagement. Defendant gave plaintiff 2l. in satisfaction of his claim, he having previously paid him half wages for a month during his illness. His Honour gave judgment for defendant.

A Vitriol Contract.—Mr. Justice Atkin heard in the Commercial Court of the King's Bench Division, London, on May 15, an action brought by J. T. & J. Taylor, woollen-manufacturers, Blakeridge Mills, Batley, against J. Brown & Co., chemical-manufacturers, Dewsbury, for alleged breach of a contract of February 1914 to supply B.O. vitriol for the plaintiffs' requirements during 1914, 1915, and 1916 at 41s. 6d. and 43s. 6d. per ton, delivered to the plaintiffs' store tanks. The defendants denied liability, and pleaded a condition in the contract that said that deliveries could be suspended in the event of strikes, war, etc., causing a prevention of the manufacture of the material. Mr. I. Bowen, K.C., explained that the plaintiffs' claim for damages was for about 254l., extending to November 22, 1915, when the sale of B.O. vitriol was suspended by Order of the Ministry of Munitions, when the defendants refused to make further deliveries. The plaintiffs' requirements were about 5 tons per week, and they had to buy from the United Alkali Co. and elsewhere. At present substitutes were being largely used in the business. Mr. Montague Crothers, deputy managing director of the plaintiff company, gave evidence in support of the claim, after which Mr. Compston opened on defendants' behalf, and Mr. J. L. Fairie, of the defendant firm, gave evidence bearing out Mr. Compston's statement as to the increased cost and shortage of raw materials.—On Tuesday, May 16, Mr. Fairie continued his evidence, and other witnesses gave evidence. In the result his Lordship held that the manufacture of the article had not been prevented by the conditions that arose, and that the defendants did continue to manufacture. He gave judgment for the plaintiffs for the sum of 254l. 12s. 2d., and costs.

Medicine-stamp Act: "The Mixture: Neuralgia."—At the South-Western Police Court, London, before the Hon. John de Grey, on May 11, Mrs. Elizabeth Charlotte Vincent, 94 High Street, Clapham, was summoned for selling dutiable medicines unstamped. Eleven summonses had been issued. Mr. Walker represented the Commissioners of Customs and Excise, who prosecuted, and Mr. George Hindle appeared for the defendant.

The latter pleaded guilty on behalf of the defendant to ten of the summonses. The only one he disputed was a summons concerning a preparation labelled "The Mixture: Neuralgia." This, Mr. Walker submitted, was liable to duty, and the Magistrate, after reading the Act, said to Mr. Hindle that it came within the charge, but Mr. Hindle contended that the neuralgia-mixture was not a patent medicine. Mr. Walker insisted that it was liable, and called A. W. Baker, a Customs and Excise officer, who said he went into defendant's shop at Clapham on December 16 and asked for a specific proprietary neuralgia-mixture displayed in the window. The assistant said he was unable to sell that now, but he showed witness the preparation produced, which had no name on it, and said it was just as good. Mr. Hindle said the label on the bottle contained only the usual instructions and the words "The Mixture: Neuralgia." There was no recommendation. Mr. Walker said there had been no dispute about the other preparations, which defendant admitted she ought to have stamped. Mr. Hindle said defendant's husband is a qualified chemist, and he managed the two businesses. He was very ill at the time of the offences. They tried to procure stamps, but could not, and the defendant took the risk. Mr. de Grey imposed a fine of 3*l.* in respect to all the summonses, and allowed a week for payment.

Offences against the Person Act.—Marcus Fedderman (29), chemist and druggist, Torquay, and formerly of Ramsgate, was charged, before the Ramsgate Justices on May 12, with supplying noxious articles for an illegal purpose to Lillian Frances Ellen Ellender, between December 1, 1915, and February 5, 1916. Mr. Lustgarten, solicitor, Manchester, now appeared, with Mr. J. H. Robinson, of Ramsgate, for the defence, and Mr. A. B. Clarke, Town Clerk, prosecuted. The latter stated that the defendant and Miss Ellender had been employed at the Harbour Street premises of the Timothy White Co., Ltd. At the latter end of October 1915 a certain event happened one dinner-time, and in November, when Miss Ellender spoke to defendant about the matter, he gave her some capsules. He was afterwards transferred to Torquay, and from there sent her further supplies of pills. The only effect was to make the girl sick, and in March she was discharged from the shop. Defendant had also written to his successor at the Ramsgate branch, asking him to attend to Miss Ellender, but, as a matter of fact, the new manager did not supply her with anything. Miss Ellender (29) gave evidence supporting this statement. In the course of it the Mayor suggested that women present should retire, but none did. Miss Ellender stated that she had been an assistant behind the counter for five or six years. Mr. T. H. Thomas, manager of the local shop of the Timothy White Co., deposed to receiving a letter from the accused on January 12, 1916, but he did not give Miss Ellender anything. Mr. Rutly Mowll stated in evidence that the matters complained of were unknown to the firm. They wished to furnish the Court with any assistance in their power. Mrs. F. C. Clapson, mother of Miss Ellender, and Dr. C. J. R. Hoffmeister also gave evidence, and when Mr. Lustgarten had addressed the Court the Magistrates retired, after which the Mayor announced that they were of opinion that it was a case for trial. The defendant pleaded guilty, but reserved his defence, and the Mayor intimated that the defendant was committed for trial at Maidstone. Bail was allowed in a surety of 50*l.*, or two sureties of 25*l.*

Poisons and Pharmacy Act: Cocaine-snuff.—A Bow Street Police Court, London, before Mr. Graham Campbell on May 11, William C. Johnson (26), porter, New Compton Street, Soho, was charged, on remand (1) with insulting behaviour, whereby a breach of the peace might have been occasioned; (2) with having in his possession eleven boxes of cocaine, supposed to have been stolen or otherwise unlawfully obtained; and (3) with selling a poison at West Street, W.C., in boxes not distinctly labelled with the name of the article, the word "Poison," and the name and address of the seller. Mr. Muskett, who prosecuted for the police, said that two police officers saw prisoner trying to sell cocaine to women in the West-end. The officers had been engaged for some time in keeping special observation on persons engaged in this dangerous traffic. When the prisoner was arrested he had in his possession eleven pill-boxes containing cocaine, which he had been selling to women at half a crown a box. He got them, he explained, from a man named Alf, who allowed him a profit of 9*d.* on each box. Mr. Muskett added that according to the Pharmacy Act each box should have been labelled "Poison," and have borne the name and address of the seller, but the boxes were perfectly plain. Mr. H. Moon, Deputy-Registrar of the Pharmaceutical Society, had rendered every possible assistance

in connection with this case, and had endeavoured to ascertain where the cocaine came from, but had not succeeded in doing so. Mr. Muskett also explained how cocaine-powders are used by soldiers and certain women. Its use constitutes a grave social evil which the authorities did not have in their minds when the Defence of the Realm Act was passed, and he (Mr. Muskett) would bring the matter to the notice of the Commissioner of Police with the object of having the omission remedied. Mr. Charles Simmonds, F.C.S., of the Government Laboratory, said that each of the boxes contained 1½ gr. of cocaine, whose properties he explained. Dr. Dunn, divisional police surgeon, gave evidence as to the prejudicial effects of cocaine, and, in reply to the Magistrate, said he was sure there is a great deal of drug-taking going on. He knew of a man brought to court for a certain offence who had boxes of cocaine on him. The Magistrate said he did not think the defendant could be suspected of having stolen or unlawfully obtained the cocaine, and the charge of unlawful possession must be dismissed. He had also reluctantly come to the conclusion that the prosecution had failed to prove the charge under the Poisons and Pharmacy Act, as there was no evidence of any actual sale by the defendant. The charge of insulting behaviour must also be dismissed. He sincerely hoped that the result of this case would lead to a speedy and drastic alteration of the law with regard to the sale of poisons. He expressed his willingness to state a case if the prosecution desired it. Mr. Muskett said he thought it would be more expeditious to make some addition to the regulations under the Defence of the Realm Act.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

UNITED KINGDOM CHEMICAL Co., LTD (P.C.).—Capital, 10,000*l.* J. F. Robertson is the first director. R.O., 113 St. Vincent Street, Glasgow.

LARKHALL APOTHECARIES' HALLS, LTD. (P.C.).—Capital 300*l.* Objects: To take over the business now carried on at Larkhall as the Larkhall Apothecaries' Hall. Subscribers: William Miller, druggist, 35 Union Street, Larkhall, and W. S. McKenzie, writer.

CAMPBELL & Co. (WARRINGTON), LTD. (P.C.).—Capital, 1,000*l.* Objects: To carry on the business of manufacturers of and dealers in oils, fats, methylated and other spirits, etc. N. Smith, oil-merchant, Kileriggan, Bower Road, Hale, Cheshire, is first managing director.

BURROWS (CHEMICALS), LTD. (P.C.).—Capital, 10,000*l.* Objects: To carry on the business of manufacturers of and dealers in chemicals, nitric, sulphuric, hydrochloric, and other acids, etc. The first directors are J. Burrows, E. Burrows, and F. Burrows. Solicitor: J. H. Craik, Batley, Yorks.

JOHN EDISON, LTD. (P.C.).—Capital, 500*l.* Objects: To carry on the business of manufacturers of and dealers in drugs, chemicals, medicines, toilet-requisites, etc. The first directors are A. Edmondson and Mrs. N. Gibbons. Qualification, one share. R.O., 87 Great Georges Street, Leeds.

RUBWEL Co., LTD. (P.C.).—Capital 250*l.* Objects: To take over the undertaking of A. Thorley, 34 Seedley Road, Pendleton, Manchester, wholesale druggist (trading as the "Rubwel Co."), including the recipes for "Rubwel Skin Ointment," "Rubwel Embrocation," "Vetz Ointment," and "Vetz Embrocation," and to adopt an agreement between him and E. A. Newby, Pratt & Co. (Advertising), Ltd., H. T. Tompsitt, and S. Fripp (Rocke, Tompsitt & Co.), and the company. The first directors are R. St. J. Hughes, H. Woodward, A. E. Newby, and A. Thorley.

W. J. BUSH & Co., LTD.—The accounts for 1915 show a gross profit of 233,339*l.* After providing for debenture interest, expenses, and directors' remuneration, and making allowances for depreciation, there is a net profit of 56,143*l.*, which, with the sum brought forward, makes 87,066*l.* to be dealt with. In view of the prolongation of the war, the debts due to the company in enemy countries can, in the directors' opinion, no longer be held up as assets in the balance-sheet. Such debts have accordingly been written off out of the current year's revenue. Should any sums ultimately be recovered they will be brought into account when received. After paying preference dividends, the directors place 30,000*l.* to general reserve, and recommend a final dividend of 12 per cent. on the ordinary shares, making 17 per cent. for the year, and carrying forward 29,566*l.*

Trade Notes.

NEW IDEAS in soaps and disinfectants are offered by Edward Cook & Co., Ltd., The Soapery, Bow, London, E.

SALICYLIC ACID.—The Cale Chemical Co., Ltd., Hulton Road, Lambeth, London, S.E., are now making salicylic acid.

GOUGH, KIDSTON & Co., 12 Bermondsey Square, London, S.E., enumerate in their advertisement some of the industrial chemicals in which they specialise.

CASTOR OIL at competitive prices is offered by Dexters, Ltd., 326 City Road, London, E.C. The qualities include English pharmaceutical and first, also Indian oil.

AMERICAN-MADE CHEMICALS.—The American Commerce Co., Ltd., 19 St. Bride Street, London, E.C., are in a position to offer hydroquinone, salicylic acid, salol, acetylsalicylic acid, and Epsom salt.

PHOSPHO-MURIATE OF QUININE Co.—The Charles H. Paillys Chemical Co., 14 Henrietta Street, Covent Garden, London, W.C., now sell a 3s. size of this preparation. The wholesale-price is 27s. per dozen.

GODFREY'S INHALER.—Mr. F. H. Glew, chemist and druggist, 156 Clapham Road, London, S.W., who was the original inventor and patentee of Godfrey's chloride-of-ammonium inhaler, is now the sole maker.

FOUR LINES for chemists are offered in the advertisement of Thomas Swales, Leeds. These are loafahs, dispensing-bottles, corn-velvet, and foot-warmers. The chief selling-points of each of these lines are mentioned.

DAISY, LTD., Leeds, announce that an extensive advertising campaign to the public is now in progress regarding "Daisy." A facsimile of one of the advertisements now appearing in the public Press is given in the company's advertisement in this number.

J. W. DRYSDALE & SONS, 16 Fish Street Hill, London, E.C., are well known to first-hand buyers as being intimately in touch with the world's sources of supplies of crude drugs, alkaloids, synthetics, and other medicaments. They are in a position to help shippers who have indents to fill with such druggists' goods.

MEDICAL OUTFITS.—The openings which exist for the sale of medical outfits are not often considered by chemists. Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C., push home this point and illustrate three different "tabloid" medical outfits to give an idea of the variety of these outfits which are available.

BRUSHWARE.—Henry W. Bush & Co., Ltd., manufacturers of druggists' sundries, Rembrandt Works, Commercial Street, London, E., devote their advertisement in this issue to enumerating some of the lines of British-made brushes in which the company specialise. An offer is made to send special sample assortment for overseas buyers.

LIEBIG'S BEEF-AND-MALT WINE.—A non-alcoholic form of Liebig's Beef-and-Malt Wine has been introduced by the Premier Drug Co., Ltd., 29 Cannon Street, Manchester. No wine-licence is required by the retailer of this wine, and the company make in this issue a special announcement to induce chemists to take up the sale of this compound.

THOMAS GLOVER & SON, Chesterfield Street, Carlton, Nottingham, surgical-appliance makers, etc., have taken over, as a going concern, the firm of James Armstrong & Son, of Carlton, and the business in future will be incorporated with theirs. Mr. Vincent Wood, of London, and his son, Mr. Alec Wood, are partners in the firm of Thomas Glover & Son.

BRITISH EAU DE COLOGNE.—Thomas Christy & Co., 4-12 Old Swan Lane, London, E.C., in "Christy's Monthly" discuss the question of the manufacture of Eau de Cologne in this country. It is stated:

There is no reason at all why eau de Cologne should not be as well manufactured in Great Britain as in Germany. The German manufacturers in the past have had an advantage over British manufacturers by reason of the huge quantities they manufacture. Making a speciality of one product, they have been able to carry a very large stock, which has given time for the spirit to mellow down and for the various ingredients to blend into the exquisite bouquet for which eau de Cologne is so renowned. We all know that a five-year-old whisky is far superior to a two- or three-year-old one. The same holds good with eau de Cologne; the longer it is kept, the finer it matures. This is a fault, however, which English manufacturers will be able to overcome. It may be well in passing to remark that although the ideal of the foreign manufacturer is to let his product mature for some years,

exigencies of trade often prevent his doing this. We have no doubt that the bulk of eau de Cologne which in the past has come from Germany was just as raw as some which is found upon the English market.

CAPSULES AND PASTILLES.—Jules Denoual & Co., Carlton Works, Asylum Road, London, S.E., who have been specially authorised by the Ministry of Munitions of War to employ glycerin in the manufacture of their gelatin capsules, publish in this issue a list of prices current of the leading kinds. A list is also given of medicated lozenges and pastilles.

NEW WORLD NOTIONS.—S. Maw, Son & Sons, 7-12 Aldersgate Street, London, E.C., give two pages of "New World" notions, especially for the guidance of druggists in Canada, the West Indies, South America, and the United States, to whom this issue is particularly addressed. The advertisement is worth studying also by chemists at home and throughout the world.

CALCIUM LACTATE is now being produced in commercial quantities by Burgoyne, Burbidges & Co., East Ham, London, E., and the firm are prepared to quote for spot or forward delivery. We have examined a sample of the calcium lactate referred to. It is in the form of fine dry granules, which is an ideal form for dispensing-purposes or for compressing into tablets.

WAR MEDICAL AND FIRST-AID EXHIBITION.—Owing to the fact that a number of firms who were anxious to take part in this exhibition have found it quite impossible to prepare for the exhibition, which it was intended to hold next week, the promoters have, with the consent of the Minister of Munitions, postponed the exhibition until July. The new date will be July 25-28 inclusive.

ZOKA TOOTH-CREAM is a product of the White Band Manufacturing Co., Ltd., Progress Works, South Croydon, and is put up to retail at 6d. and 1s.

The cream is a good one, not only cleaning the teeth well, but destroying any bacterial deposit upon the teeth and gums and leaving a pleasant odour in the mouth. It is well advertised to the public, and the makers offer to chemists perpetual bonus terms which are illustrated in such an order as two dozen sixpenny Zoka and one dozen shilling, with which one dozen sixpenny Zoka is given free, the net cost being 13s. 6d., and the lot retails at 30s. The cream is well put up and attractive, and we consider it should pay chemists to handle it.

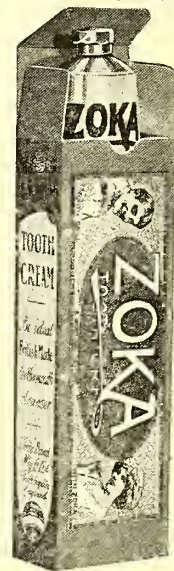
SYNTHETIC PERFUMES.—Felice Bonaventura & Co., 98 Great Tower Street, London, E.C., are agents for Mr. A. W. Schwarz, maker of synthetic perfume materials, Alstetten-Zurich, Switzerland. We are asked to draw attention to the fact that Mr. Schwarz is a Swiss, and that his agents in London hold legal copies of his nationality proofs. An advertisement in this issue gives particulars of the products which Felice Bonaventura & Co. make or are agents for.

AYRTON'S RATIONS.—Referring to the note in last week's issue (p. 44), Ayrtton, Saunders & Co., Ltd., Liverpool, emphasise the fact that the various beverage tablets enumerated in their advertisement are packed in stout tin boxes for transmission through the post, and that each tablet is wrapped separately. Dealers can have on request new showcards to replace those which show signs of wear.

PRANA SPARKLETS.—Aërotors, Ltd., "Prana" Sparklet Works, Upper Edmonton, London, N., ask chemists to assist in obtaining the return of empty "D" bulbs from customers. The importance of this request will be recognised when it is stated that it is only by this method that the full demands of the public can be satisfied. An allowance of 9d. per doz. is made for the empty bulbs.

THE YVONNE Co. insert in this issue an interesting advertisement regarding Yvonne Cream and Yvonne Medicated Meal, which are toilet-preparations of special service at present, when the Government prohibits the use of glycerin except for medicinal purposes. The company quote the terms upon which the preparations are supplied to chemists, and it may be noted that a special offer of free penny boxes is made.

ABSOLUTE ALCOHOL.—It may be remembered that when the war broke out British chemists found that the Excise



conditions up to that time had not enabled distillers to produce absolute alcohol in this country, but very soon James Burrough, Ltd., Cale Distillery, Hutton Road, Lambeth, S.E., commenced to manufacture the alcohol, and since August 1914 they have been producing it in increased quantities.

ETNA ESSENTIAL OILS.—Linton, Hubbard & Andrew, 72-75 Fenchurch Street, London, E.C., directors of the Etna Essential Oil Co., send us samples of lemon, bergamot, and mandarin oils, all of which they guarantee to be of pure quality. Mandarin oil has been particularly scarce on this market for some time past, but the firm, being direct importers from Sicily, can give favourable quotations for genuine oil.

PERFUMERY-PRODUCTS.—Wright, Layman & Umney, Ltd., Southwark, London, S.E., devote their advertisement to their special perfumery-products. These include synthetic oils and a fine series of perfume concentrates. The latter only require to be diluted with spirit in the proportion of 1 part of concentrate to 30 parts of spirit to form the appropriate floral bouquet. The series is now exceptionally complete.

"SPHINX" STRAW-HAT CLEANER.—Arthur H. Cox & Co., Ltd., Brighton, England, have produced two striking show-cards for the "Sphinx" Straw-hat Cleaner, which retails at 2d. per packet. One shows a young man holding a straw hat before his face, and the other is the figure of the Sphinx with a blank space for inserting an envelope of the cleaner. This was illustrated in Messrs. Cox's advertisement in the *C. & D.* of April 22. The makers offer it to retailers at 12s. per gross, or 10s. 6d. per gross in three-gross lots, and they print the chemist's name on the envelope for gross lots. It is an efficient cleaner.

Birth.

Authenticated notices are inserted without charge.

PRIVETT.—At Clacton-on-Sea, on May 10, the wife of J. W. Privett, pharmacist, of a daughter (stillborn).

Marriages.

Authenticated notices are inserted without charge.

KEEN—WRAY.—At the office of the Registrar, Islington, on May 17, James L. Keen, Ph.D., of Dewsbury, to Olive Harriet, elder daughter of Mr. John Wray, of Wray's Drug Co., Ltd.

NICOL—CLARK.—At Kampala, Uganda, on April 4, William Miller Nicol, chemist and druggist, formerly of St. Monance, Fife, to May, only daughter of Mr. and Mrs. William Clark, Edinburgh.

Deaths.

Authenticated notices are inserted without charge.

BRIGHTY.—On May 7, after a painful illness, Mr. Edward Brighty, for fourteen years traveller and salesman for the late Mr. John Gavell, chemist and druggist, Broad Street, Peterborough, aged seventy.

CROOKES.—At 7 Kensington Park Gardens, London, W., on May 10, Ellen, wife of Sir William Crookes, O.M., F.R.S., aged eighty. Lady Crookes and her husband celebrated their diamond wedding on April 10. She was the daughter of Mr. W. Humphrey, of Darlington, took the deepest interest in her husband's work, and was a familiar and welcome figure at scientific functions, besides being a hostess of great charm.

MULLEN.—At Carlow, on May 12, Mr. John Mullen, R.D., Portadown. Deceased served his apprenticeship with Mr. David Henderson, Lisburn Road, Belfast, and afterwards set up in business at Oldpark Road, which he had to relinquish owing to ill-health.

OWEN.—At his residence, 38 Cyncoed Road, Penylan Hill, Cardiff, on May 11, Mr. Huw Owen, representative in Wales for R. Sumner & Co., Ltd., Liverpool, aged thirty-seven. Mr. Owen was apprenticed to Francis Bros., Wrexham, and had further retail experience in London and Brighton. On his marriage, about five years ago, to Miss Katie A. Owen, a native of New South Wales, Mr. Owen took up his residence in Cardiff, and had lived there ever since. He was well known to, and highly respected by, the medical profession and chemists in North and South Wales, and his

early death will be mourned by a large number of friends in those districts. He leaves a widow and one son, four years of age. The funeral took place at Anfield Cemetery, Liverpool, on May 13.

PAIN.—At Beckenham, on May 13, from heart-failure, Mr. Charles F. Pain, dispensing chemist, 70 Beckenham Road, Beckenham, aged forty-seven.

PALMER.—At the residence of his daughter in Gateshead-on-Tyne on Friday, May 12, Mr. Edwin T. Palmer, chemist and druggist, aged sixty-two. Mr. Palmer was a well-known agricultural chemist, and he established the business at 19 Market Square, Aylesbury, about thirty-five years ago, and secured a wide agricultural and dispensing connection. He had been ailing for some time, and died rather suddenly while on a visit at his daughter's residence in Gateshead. He was local Secretary to the Pharmaceutical Society for many years, and also chemists' representative on the Insurance Committee. He is survived by Mrs. Palmer and the daughter referred to.

PRIVETT.—At Old Road, Clacton-on-Sea, on May 14, the wife of Mr. J. W. Privett, F.S.M.C., pharmacist and optician.

Killed in Action.

BATESON.—Private Llewellyn Bateson, a member of the staff of Mr. J. W. Deakin, J.P., pharmacist, Northwich, who joined the 10th Cheshire Regiment on the outbreak of the war, was killed in action on May 9. His C.O., in a letter to Mr. Deakin, paid a fine tribute to his sterling and manly qualities.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us at 42 Cannon Street, E.C.

216/50. Earl's diaspine.	220/45. "Miraculin."
215/25. Ol. betulae alb. crude:	220/45. Edwards' nunsinettes.
supply.	220/45. Jones's Juvenile face-
220/49. "Magico" hair-	powder.
remover.	222/21. Catramin pills.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.:

Absorbol, 215/3	Hypodermic syringes, glass and
Acetanilid, 214/59	glass and metal, 201/35
"Ajax" electric body-belt,	"Lactomel," 204/15
204/17	"Laxol," 220/29
"Alginoid," 206/30	Lithopone (Green Seal and Red
Alkanet-root, 221/28	Seal brands), 206/10
American fly-rackets for kill-	Logwood extract (Dutch in-
ing flies, 221/34	quiry), 208/26
Ammonium carbonate, 210/11	Magnesium metal, 213/36
Ammonium chlorate, 210/11	Naphthalene-balls, 215/4
Antiseptic paper handkerchiefs,	Naphthalene (British makers),
213/57	213/44
Apparatus for the manufacture	"Nepenthe," 210/53
of iodine (for Holland),	O'Brien's cash-tills, 207/64
221/61	Palm oil, 206/10
Bathing-caps, 213/23	Paraffin wax, 210/11
Blair's gout-pills, 210/53	"Pearlite" boxes, 217/47
Burgess's plaster bandages,	Phelp's rheumatic elixir, 210/9
221/7	Photographic chemicals, 220/23
Carbolic-acid cryst., 210/11	Potassium cyanide, 214/59
Cassell's, Dr., tablets, 210/530	Rennet tablets, 207/65
Ceresin wax, 210/11	Respirators for chemical pur-
Chiver's carpet-soap, 213/44	poses, 212/62
Chloroform, 210/11	Sharp's ammonia, 214/64
Claire's grease-paints, 207/39	Smith's morphine hydrochlor.
Crêpe toilet-rolls, 211/26	powder, 214/59
"Dentola," 217/64	"Snowdol," 221/62
"Do-well" feeding-bottle,	Somerville's Asiatic body-cord,
Patent No. 15449, 179/5	204/16
"Ecosolent compound," 207/36	Stone water-filters, 203/41
Finely powdered pharmaceutical	"Stovaine," 222/20
sugar, 215/1	"Tangle-foot" fly-papers,
Foster's liver-pills, 212/17	207/57
Furley pattern telescopic stret-	Tartaric acid, 210/11
cher, 206/5	Taylor's bay-rum, 213/3
"Gem" bath outfits, 215/2	Towle's pills, 210/531
Glass bottles, stamped "G.B.,"	"Toxol," 217/55
202/3	White precipitated chalk, 210/11
Glycerin substitute, 206/26	Wickered Eau de Cologne
"Henna-Glinta" shampoos,	bottles, 43/8
powders, 218/62	Wink brand morphine hydro-
Houbigant's perfumery, 206/20	chlor., 214/59
"Hygenitol," 197/72	Wood oil, 206/10
Hypodermic syringes (glass),	Wood-wool packing, 210/32
208/54	Wooden soap-bowls, 217/28

Observations and Reflections.

By Xrayser II.

Your Correction of the Word "Resolution"

in the Conference agenda, though it may strike some of your readers as hypercritical, marks a real difference, and is suggestive of much. The two words are indeed often used interchangeably; custom sanctions the weakening of the bolder one,

And thus the native hue of *resolution*
Is sicklied o'er with a pale cast of thought,

which reduces it to a mere motion, a proposal, a suggestion that may be acted upon or not. It is in this weakened sense only that a Conference under "the final control" of the Council can pass, or even discuss, resolutions; in the true and full sense it can resolve nothing. The motion of the President summarised by you (as confused a bit of English as I ever saw) makes one thing plain—namely, that the Conference has not, and was never meant to have, any power of its own apart from the Society; it is, we are told, "an integral part" of the Society, and is entirely subject to its direction and management. If this is true, it can do nothing that the Society cannot do: if the Society cannot protect our trade interests, neither can it. As to

The Protection of Prices,

I hold, I am afraid, unpopular, not to say heretical, views. I belong to the old and possibly bad individualistic school, and would have as much freedom of action in the matter of price as possible, leaving it to be arranged between buyer and seller in accordance with the condition of the market. A general agreement among neighbours is highly desirable, but a hard-and-fast rule never to sell below a certain figure is almost sure to be broken, and is, therefore, in most cases, better not made. Patents and proprietaries ought to be sold at the prices fixed by the makers, and the protection of these prices is properly the maker's concern. If he cannot do it except through the medium of the P.A.T.A. (and no doubt he can usually do it most conveniently by such means), then long live the P.A.T.A.! But this is a confession of weakness. For the Pharmaceutical Society to undertake such work I should regard as a humiliation both to it and to us—to it as a Society that stands for values rather than profits, to us as business men who ought to be able to manage our own purely business affairs. There are "trade interests" the Society should strive to protect, but this is not one of them.

My Note on Mr. Hines's Candidature

has brought me an inquiry as to my position with respect to territorial representation—am I prepared to go to Parliament for the purpose of obtaining it? My reply is that if we cannot secure a really representative Council without going to Parliament, to Parliament let us go; but why should it be necessary? Our mode of election is affected by our Charter, but the Charter is older than the Pharmacy Act, and since an Act was not required to secure it why should one be needed to effect so small an alteration in a purely domestic matter? I am no lawyer, but I do not see why the Privy Council (which granted the Charter) could not do all that we now want. The time may not, indeed, be propitious, and I therefore welcome the movement of Messrs. Deakin and Skinner as a preparative to more drastic measures should they be required, as, personally, I think they will be; but I also welcome Mr. Hines's manifesto because it keeps the larger scheme alive and brings it within the sphere of "practical politics." If the former gentlemen succeed in demonstrating, as I believe they will, the advantages of territorial representation, they will make it easier to secure a general agreement to ask for such a reform of the Charter as will enable us fully to realise the ideal of Mr. Hines; there is no necessary antagonism between them and him, and I am quite consistent in wishing success to all three.

The Art of Simpling

(to borrow Cole's title) seems likely to revive in these islands, and probably it might be revived with advantage if its principles were understood. They are not often understood by the casual collector, and the two or three regular collectors I have known were curiously circumscribed in their knowledge, and not a little superstitious. Culpeper was their guiding star, and they knew scarcely anything beyond him. The ingenious gentleman whom you introduced to us from "The Garden" last week knew how to make simpling pay, but his method is not to be recommended for general adoption. Might it not be worth the while of some competent person, with sufficient leisure, to write a little handbook on the subject? I do not know that any such work of recent date exists.

The Resignation of Mr. J. C. Umney

from the chairmanship of the Chemical-trade Section of the London Chamber of Commerce is an event to be deplored both from the public and the personal points of view. Mr. Umney has devoted some years of unremitting energy to the work of the Section, and the chemical-industry as a whole is under a debt of gratitude for his ungrudging labours. It is some satisfaction that the good work will continue under the new Chairman (Mr. Tyler), who comes back into harness with all the prestige and experience of a former term of efficient service. From the personal view-point Mr. Umney's resignation is to be regretted, especially if it means that his health has been undermined by too constant and assiduous devotion to matters of public interest. I hope that the relief afforded by giving up this post will allow him some more leisure. We can ill afford to be without strong men of J. C. Umney's type, and it is his duty to conserve his energies for the common good no less than for those associated with him in business.

The Dublin Tragedy

has hit pharmacy with great severity, and our sympathies go out to the relatives of the unfortunate victims who met death so needlessly. Surely the rebels might have found some other target for their bullets than Mr. Joze and the boy Sweeney! To the owners of those pharmacies that have been wrecked we also extend our sympathies. It is no part of my duty to indulge in political reflections, but I may be allowed to express the hope—which will, I think, be shared by every one of your readers—that out of the grim tragedy there may arise a new Ireland and a new spirit of compromise. If such should be the case, then the hundreds of victims, military and civilian, will not have died in vain. That this distressful country may at last find its true position as an honoured and honourable section of the British Empire is the dearest wish of every patriot.

The Society of Apothecaries

publishes an unusually long list of candidates who have been successful in taking the certificate of qualification to act as assistant to an apothecary in the compounding and dispensing of medicines. So far as I can gather from the names, two of these are women, but there is not the least indication whether the other ninety-one are women or men. This ambiguity is, I take it, for some reason or other, deliberate, but at the same time it is unfortunate. Of course, no one has any right to interfere with the way in which the Society conducts its own business, but I cannot help thinking that it would have been much better to have stated clearly and distinctly the full names of both men and women. The qualification is a perfectly legal and honourable one, and there is not the least reason for any assistant to be ashamed of it; and that no indication is given of the sex of these ninety-one persons would seem to give some ground for implying that the vast majority of them were women. I suggest that in future the Society of Apothecaries should follow the example of the Pharmaceutical Society by publishing the full names of those who take its certificate.

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Editorial Articles.

The Pharmaceutical Week.

THE reports which are published in this number of the meetings arranged this week by the Pharmaceutical Society of Great Britain are of such a nature that little in the way of editorial addition is necessary. The annual meetings of the Society have, during recent years, not been well attended, but on Wednesday, owing to delegates from local Associations having met in the morning, the attendance at the seventy-fifth annual was considerably swollen in the afternoon, and the proceedings were a little less stereotyped than usual. The election of the Council was announced on Wednesday evening, when, unfortunately, the only member of Council who was not returned was Mr. W. H. Gibson, Brighton, who for a number of years has been Treasurer of the Society, and it is not too much to say that of all the Treasurers that the Society has had since its foundation in 1841 none has been superior to Mr. Gibson, who is a financial expert. The Council will have some difficulty in filling the position which he vacates. Mr. J. W. Deakin, J.P., Northwich, and Mr. Herbert Skinner, Ph.C., London, are the new Councillors, Mr. Deakin having the distinction of being second to the President, Mr. Edmund White, who is at the top of the poll. He ran the election with Mr. Skinner, and Mr. White's name was also associated with theirs, although that was not necessary. We expect from the new Councillors efficient, intelligent service. We do not recall any hospital pharmacist who has been appointed to the Council while holding that position. Mr. White came after it. Mr. Skinner's experience should be of service to the Council, and it is up to him to retain his independence. Owing to the retirement of Mr. T. A. White, Southsea, the Council is still incomplete, but the vacancy will be filled at the meeting on Wednesday, June 7. If Mr. W. H. Gibson is willing to accept the position, we question if the Council could do better than appoint him so as to secure his continued service as Councillor. The resumed Conference on Thursday afternoon was characterised by a lively criticism of the P.A.T.A., and an excellent reply by Mr. Glyn-Jones, who spoke from full knowledge of proprietary price-protection.

State Control of Medicines.

COMPARATIVELY few people realised before the war that conditions could arise in this country where statutory provisions affecting medicine or pharmacy could be altered or supplemented without amending the statutes relating to the subjects. Now we are learning that they can be, and this is well illustrated by the Army Council Order, made under the Defence of the Realm (Consolidation) Regulations, 1914, restricting the manner in which certain medicines may only be supplied to those who are members of his Majesty's Forces. The Order is printed on p. 49 of this issue, and mentions substances and one class of articles (salts, preparations, derivatives, or admixtures) which may only be supplied to such persons on a prescription written by a registered medical practitioner, and the prescription must be marked, "Not to be repeated." The Order applies to Great Britain and Ireland, and it will be noticed that the articles mentioned include at least one, Indian hemp, which is not a scheduled poison, and we are doubtful if such products as benzamine and diamorphine are alkaloids as mentioned in the Poisons Schedule; but this does not alter the fact that what is stated in the Order has equal force with the Acts which specially concern and control pharmacists, to whom the Order is particularly addressed. We observe that it is the prescriber who marks the prescription "Not to be repeated," and the person selling or supplying marks the prescription with his name and address and the date on which it is dispensed. We presume that it is the article (not the prescription) that the chemist sells or supplies. The conditions laid down by the Pharmacy and Poisons Acts have also to be followed. Pharmacists must do their best to follow the Order strictly in their practice as dispensers, but we consider that the Pharmaceutical Societies of Great Britain and Ireland should not let the matter pass without some protest or suggestion to the Army Council. We are not concerned to determine whether or not the Army Council is from the public point of view a better body than the Pharmaceutical Societies to issue such orders, but the fact remains that the Pharmaceutical Societies have been charged by statute to do certain things with respect to the sale and dispensing of substances scheduled as poisons. In Great Britain the Privy Council has to approve of the British Society's resolutions about poisons, and in Ireland the Royal College of Physicians moves in the matter, the Privy Council there approving. In the present instance the Army Council imposes new additional conditions in respect to a number of scheduled poisons, and the conditions are outside the provisions of the Pharmacy and Poisons Acts, as well as the Medical Acts. The Order by the Army Council is made, we presume, under Regulation 40, which, as amended in February and April, is substantially as follows:

If any person gives, sells, procures, or supplies, or offers to give, sell, procure, or supply, any intoxicant—(a) to or for a member of any of his Majesty's Forces with the intent of eliciting information for the purpose of communicating it to the enemy, or for any purpose calculated to assist the enemy; or (b) to or for a member of any of his Majesty's Forces when not on duty with the intent to make him drunk or less capable of the efficient discharge of his duties; or (c) to or for a member of any of his Majesty's Forces when on duty either with or without any such intent as aforesaid; he shall be guilty of an offence against these Regulations. If any person gives, sells, procures, or supplies, or offers to give, sell, procure, or supply, any intoxicant to or for a member of any of his Majesty's Forces when proceeding to a port for embarkation on board ship, or when at any port for that purpose, he shall be guilty of a summary offence against

these Regulations. The Admiralty or Army Council may by order prohibit, either absolutely or except on compliance with such conditions as may be specified in the order, the sale or supply to or for any member of any of his Majesty's Forces of any narcotic or stimulant drug or preparation specified in the order, and if any person acts in contravention of any such order he shall be guilty of a summary offence against these Regulations.

We recognise that the Army Council is the best body to determine whether or not the criminal purpose of assisting the enemy has been helped by prescribers or dispensers, also that we must all assist the Admiralty or Army Council, even to the stretching of points of law; but it is undesirable that the several statutes which we have mentioned should be supplemented by the Admiralty or Army Council itself. Additional reason for these observations was provided by Mr. Muskett in an action, under Section 17 of the Pharmacy Act, 1868, taken in Bow Street Police Court against a man for dealing in cocaine-snuff. The charge failed because the Magistrate (Mr. Graham Campbell) did not consider that an actual sale had been proved, and suggested that the Poisons and Pharmacy Act should be amended so as to cover such cases, whereupon Mr. Muskett said he thought it would be more expeditious to make some addition to the Regulations under the Defence of the Realm Act. This remark shows the danger that besets such callings as medicine and pharmacy, which are controlled by particular statutes. Mr. Muskett may have had Regulation 40 in his thoughts. As the Order of May 11 affects the interests of those who are registered under the Medical Acts or the Pharmacy Acts, we consider that the Admiralty or Army Council should consult the General Medical Council and the Councils of the Pharmaceutical Societies of Great Britain and Ireland, so that the terms of the Order may be made in conformity with practice and to avoid the impracticable. At present the Order applies to many perfectly innocent things in common demand—e.g., a cough-mixture containing a little paregoric, a bottle of coca-wine, a shilling box of ipecac.-and-codeine pastilles, and a bottle of "tabloid" barbitone.

Some Functions of Insurance Committees.

THE National Health Insurance Commission (England) has issued a memorandum, 215 I.C., dealing with the procedure to be adopted by Insurance Committees in the consideration of cases in which the Committees act in a judicial or semi-judicial capacity. The matters referred to come within the scope of Articles 45, 40, and 50 of the Medical Benefit Regulations. The first of these is the case where insured persons complain of the treatment rendered by the practitioner, and the procedure and action of the Insurance Committee is carefully laid down. A useful reminder is given that the Insurance Committee has power of withholding or reducing the remuneration of all practitioners who do not carry out their agreements, this being, in fact, a condition attached to the Exchequer grant of 2s. 6d. towards the cost of Medical Benefit. The procedure under Article 40 deals with the methods of checking excessive prescribing. This article was one in which pharmacists were formerly deeply interested, but when final payments have been made for the years ending 1915, the interest will be academic, as in England and Wales, at any rate, the payments of drug accounts are no longer subject to discounting, one of the causes of which in the past has been the excessive prescribing of practitioners. Investigations which relate to drugs or appliances ordered after the end of 1915 will be carried out under Article 9, which, in the new regulations, imposes upon the Panel Committee the duty of investigating from time to time on their own initiative the character and amount of drugs and appliances ordered. Any money which may be recovered from a practitioner passes not to the Drug Fund, but to the

Practitioners' Fund. The Commission's statement on the whole subject is peculiarly to the point.

Most Efficient Advertising.

SINCE the European war started, chemical and pharmaceutical manufacturers in North America have greatly extended business with the United Kingdom. We therefore call their special attention, and that of all other firms doing business with the British drug-trade, and throughout the world, to the fact that the Summer Issue of THE CHEMIST AND DRUGGIST will be published on Saturday, July 29. A particular business advantage is offered by that issue, as we shall be able to insert in it Insets consisting of advertisements prepared and printed by business houses, whether agents, manufacturers, or wholesalers. The Publisher of THE CHEMIST AND DRUGGIST offers to supply them with printed particulars in regard to Insets, and we suggest that early application should be made to him by those abroad or at home who want to know more about this publicity.

Aerated Waters.

THE Commissioners of Customs and Excise have issued particulars in regard to the payment of duty on aerated waters: 4d. per gal. on sweetened and 8d. per gal. on soda-water and the like. Each manufacturer has to take out a 10s. annual licence from the local Collector of Customs and Excise, this applying also to those who have soda-fountains or any other machine for making aerated waters for sale. Each such licensed person has to keep a book, upon the entries in which the duty to be paid is based. It is provided that—

(a) The manufacturer must keep the book in some part of his manufacturing premises, and permit the officer at any reasonable time to inspect the same and make extracts therefrom.

(b) He must enter in the book an account of the quantity of table-waters at each rate of duty sold or sent out from his premises each day for home consumption.

(c) He must make such entry not later than noon of the day following that on which the table-waters were sold or sent out.

(d) He must not cancel, obliterate, or alter any entry made in the book, or make therein any entry which is untrue in any particular.

A specimen of the book will be shown by any Collector or by the Secretary (Excise), Customs House, London, E.C.

Glycerin Substitutes.

THE restrictions on the use and sale of glycerin in Great Britain and Ireland have created a demand for toilet-preparations without glycerin to replace those in which this has been used. While glycerin may not be any better or so good in an emollient sense as fats or oils, its freedom from greasiness, and consequently its cleanliness, is a great recommendation when it is employed either for the hands or face. To introduce oily preparations instead of glycerin ones it is necessary to present the oil in a dilute and emulsified condition, so that it will rub in without leaving obvious evidence of its presence. It may be helpful to *C. & D.* readers if we indicate the lines on which such lotions and creams may be made." There is no better "glycerin cream" without glycerin than that made from formula No. 1 under "Cucumber Cream," in "Pharmaceutical Formulas," p. 7, but it is incorrect to use the description "glycerin cream." An old and good formula, which produces a clean and efficient lotion, is as follows:

Blanched almonds ...	40 gr.
Rose-water ...	1½ oz.
Orange-flower water ...	1½ oz.

Bruise the almonds and triturate to a smooth paste, with judicious portions of the waters added from time to time; then add—

Borax ...	12 gr.
Simple tincture of benzoin ...	10 minims

Strain through fine muslin.

This is an excellent preparation for the face and hands, either as a protective applied previous to exposure or as a soothing application after having been exposed to sun or wind. It may be made thicker by substituting for a fourth of the waters an equivalent of mucilage of quince, but it is generally preferred just as it is.

In practice it will be found that the blanched kernels of Brazil nuts produce even a nicer lotion than almonds, and when used in quantity the cost is much less. The procedure in making is the same as for almonds. There is a slight separation in both cases to top and bottom of the liquid, but it shakes up to a nice milk at once. The following two formulas are typical of artificial lotions as against natural ones:

I.

Benzoated lard ...	15 gr.
Powdered hard soap ...	20 gr.
Mucilage of quince ...	1½ oz.
Camphor-water ...	1½ oz.

Triturate the benzoated lard with the soap, adding gradually the camphor-water; transfer to a bottle, add the quince mucilage, and shake. Perfume with 15 minims of Parma-violet essence. Strain through fine muslin.

II.

Soft soap ...	20 gr.
Anhydrous wool-fat ...	15 gr.
Almond oil ...	½ dr.
Water ...	2 oz.
Mucilage of carrageen ...	1 oz.
Essence of lily of the valley ...	15 minims

Rub the soap, wool-fat, and almond oil together, and add the water gradually, then the mucilage, and finally the perfume; strain through fine muslin.

The following formula produces a thicker cream:

Stearic acid ...	48 gr.
Sodium carbonate ...	14 gr.
Sesame oil ...	2 dr.
Water ...	2 oz.

Melt the stearic acid with the sesame oil, and stir in the sodium carbonate dissolved in the water heated to about 150° F. Perfume according to requirement.

From the above a milky liquid can be made by using 1 part with 2 parts of water and 1 part of carrageen mucilage.

For high-class trade a very fine skin-cream is obtained from the undernoted formula. Any suitable oil, such as almond oil, may be used instead of sesame oil. The last-named, however, probably remains longer free from rancidity than any other of the vegetable oils:

White wax ...	1 dr.
Spermaceti ...	1 dr.
Wool-fat ...	½ dr.
Zinc oxide ...	2 dr.
Spirit of camphor ...	½ dr.
Radium-water ...	½ oz.
Cucumber-juice ...	1 oz.
Sesame oil ...	2½ oz.
Synthetic otto ...	10 minims

Cucumber-juice is easily obtained by cutting a cucumber thinly, pounding in a mortar, allowing it to stand for half a day till the juice collects, then straining through muslin with a minimum of pressure. Preserved juice does not give the bouquet such as fresh juice affords, and when cucumber is obtainable at a reasonable price the fresh juice should be used.

The following is the method of making *Mucilage of Carrageen* (*Chondrus crispus*), referred to in above recipes:

Picked carrageen ...	1 oz.
Water ...	25 oz.

Place the carrageen on a hair sieve, and wash by running the tap over it; then transfer to a basin with the water, and heat to boiling, allowing it to boil for five minutes. Any froth which comes to the surface as the liquid begins to boil should be skimmed off. Strain through muslin, without pressure.

The aggregate weight of the carrageen, water, and basin should be noted before heat is applied, and any loss incurred while cooking should be made good by the addition of hot water before the mucilage is put on the

strainer. The mucilage thus obtained is useful to give body to toilet-creams. It is, however, somewhat darker in colour than either quince or tragacanth mucilage; but it is inexpensive, and retards separation very strongly, as it tends to "set" when allowed to stand at rest.

A basis for toilet-preparations, which has not so far been suggested, is "Solac," or vegetable milk, which is sold at a cheap rate. It is understood to be prepared from soya-bean oil. With thickening and preserving agents added, and a suitable perfume, a good glycerin-free toilet-preparation could be produced.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MR. A. G. GREEN, F.R.S., who has recently resigned the Chair of Tinctorial Chemistry and Dyeing at Leeds University, has been appointed director of the research department of Levinstein, Ltd., aniline-dye manufacturers, Manchester.

MR. T. W. THEAKSTON, managing director of Priehard & Constance, Ltd., Haymarket, S.W., who joined the Royal Engineers some months since and afterwards received commissioned rank, has been promoted to lieutenantcy, and is second in command of his company.

MR. JACK G. S. WOOD, youngest son of Mr. Vincent Wood, 91 and 93 Newington Causeway, S.E., has obtained his commission in the Mechanical Transport Section of the Army Service Corps, and his youngest sister, Miss Marjorie Wood, has been appointed quartermaster of the V.A.D. Hospital, Christchurch Road, Streatham, S.W.

MR. A. C. BINGHAM, York Road, St. Annes-on-Sea, senior representative of Robinson & Sons, Ltd., Chesterfield, has now been at home a year, suffering from debility, the result of internal hemorrhoids. For the last month he has been under special treatment, and is now rapidly recovering. Mr. Bingham is well known to the wholesale houses of the larger provincial towns, it being over thirty years since he first went "on the road" for his firm.

ALDERMAN JOHN BROOKS, J.P., chemist and druggist, East Ham, was on Thursday evening, May 12, presented with a handsome Sheraton clock by the members of the East Ham Central Liberal and Radical Club, as a sincere mark of affection and esteem for the ungrudging time and devotion given by him for the welfare of the Club, of which for four years he has been Chairman. In the unavoidable absence of Sir John Bethell, M.P., J.P., Alderman E. Edwards J.P., made the presentation.

MR. THEO. H. WARDLEWORTH, F.L.S., one of the directors of the National Drug and Chemical Co. of Canada, Ltd., Montreal, has been selected by the Canadian Government officially to visit Great Britain, France, and Italy, with a view to studying the questions affecting trade between the countries mentioned and the Dominion of Canada after the war, with special reference to encouraging closer and more extended trade relations. The delegation will consist of five members, with a large number of experts representing special trades, and the work will cover a wide field of inquiry. Mr. Wardleworth is well known to many in the chemical and drug trades in this country. He was for many years in the



MR. T. H. WARDLEWORTH.

Evans house, Liverpool, being the buyer, and was then an active member of the British Pharmaceutical Conference. When the Conference visited Liverpool twenty years ago Mr. Wardleworth acted as Secretary, along with Mr. H. O. Dutton, of Birkenhead. His recent election as Chairman of the Canadian Section of the Society of Chemical Industry is proof that he still continues to do good work. His selection by the Canadian Government is a compliment to him, and at the same time the Dominion will benefit by the appointment.

Chemical Society.

AN extraordinary general meeting of the Fellows was held at Burlington House, London, W., on Tuesday, May 11, for the purpose of considering the question of the removal of nine alien enemies from the list of honorary and foreign members of the Society. The meeting-room was full by 5 P.M., over two hundred Fellows being present. The President (Dr. Alexander Scott, F.R.S.) explained that the



For many years
Alexander Scott

The President of the Chemical Society is the eldest son of the late Alexander Scott, Rector of Selkirk Grammar School, and a native of the old Border town. After his education at his father's school he went to Edinburgh University, and was the senior medallist in the chemistry class there in 1875. He then went up to Cambridge as assistant to the Jacksonian Professor (now Sir James Dewar), in the following year became Clothworkers' Exhibitioner in physical science, and in 1879 obtained the Foundation Scholarship at Trinity College and first class in Natural Science Tripos. It was in that year that he was elected a Fellow of the Chemical Society. In 1884 he became science master of Durham School, but returned to Cambridge in 1891 as demonstrator to the Jacksonian Professor. Five years later he was appointed superintendent of the Davy-Faraday Research Laboratory of the Royal Institution, which he retained until 1911. Dr. Scott took the D.Sc. of Edinburgh University in his early days, and has since been made M.A. of Durham and Cambridge, as well as Sc.D. of the latter. He is one of the most careful British researchers, and his communications to the Royal and Chemical Societies deal chiefly with atomic and molecular weights. He was elected a member of the Council of the Chemical Society in 1897, and has never been out of office since. He was appointed Secretary in 1899, Treasurer in 1904, and President last year. Mrs. Scott is the daughter of the late Dr. W. J. Russell, F.R.S., who was President of the Society in 1889-91, as well as Treasurer before that. The portrait which we reproduce is one taken in Dr. Scott's private laboratory, 34 Upper Hamilton Terrace, London, about a week ago.

notice of motion had been given by Dr. Gerald T. Moody, who, we may state, has been a Fellow of the Society for thirty years, has contributed to the "Transactions," and was a Councillor for six years between 1899 and 1908. The President said that Dr. Moody's motion covered the names of Professor Baeyer, Munich; Professor Curtius, Heidelberg; Professor Emil Fischer, Berlin; Professor Graebe, Frankfurt; Professor Groth, Munich; Professor Nernst, Berlin; Professor Ostwald; Professor Wallach, Göttingen; and Professor Willstätter, Berlin-Dahlem. Dr. Scott stated that many letters in regard to the proposal had been received from Fellows, adding that counsel's opinion had

been taken, and it was advised that the decision of the matter should be left in the hands of the Fellows. On his suggestion, the meeting decided that the letters he referred to should be read, which was done by Dr. Samuel Smiles (Senior Secretary). They numbered about fifteen, and the majority indicated that the writers considered that it would be bad policy to adopt Dr. Moody's motion.

Dr. Moody then spoke in support of his motion, his second being Colonel Cassal, V.D., who made an able speech, condemning the methods employed by the Germans in the war, especially the prostitution of science by the use of asphyxiating gases. Professor G. Carey Foster, who has been a Fellow of the Society since 1856, next spoke, and, while strongly deploring the manner in which the Germans have perverted science during the war, he felt that it would not be English for the Chemical Society to pass such a motion as Dr. Moody's until the members named had an opportunity of replying, and that would be after the war. Dr. W. H. Perkin, of Oxford University, then spoke against the motion, and moved an amendment to it to the effect that judgment should be suspended until after the war. He spoke ably and feelingly in regard to Baeyer and Emil Fischer, both of whom were his teachers, and he now regards them as honoured friends. While he agreed that there is much in the German conduct of the war that he considers to be wrong, he did not think it would be fair to accuse Baeyer and Fischer of any sympathy with these methods, although he could not say the same in regard to Ostwald. Sir W. A. Tilden seconded the amendment, speaking briefly but well of the desirability of postponement.

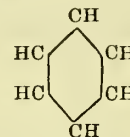
Then followed a debate which lasted until nearly 7 o'clock. It was a well-balanced discussion on the two opinions, but both sides equally deplored Germany's violation of the international agreement that such things as asphyxiating gases should not be used in war. Mr. C. T. Kingzett opened the discussion in strong support of Dr. Moody's motion, and he was followed by Mr. Harris Stone, the Cambridge man and barrister who has been writing to the papers about the question. Dr. S. Russell Wells, M.R.C.P., of the Seamen's and other hospitals, in a luminous speech, secured the sympathy of everyone present in respect to the frightful sufferings of those who have been gassed. He supported the motion. Professor B. D. Steele, of the Brisbane University, as a man belonging to a part of the Empire which is removing everything German from it, questioned the wisdom of the motion, as he considered it untimely to attack individuals. Dr. M. O. Forster (Treasurer of the Society) made a remarkably good speech supporting the motion, guarding himself with the specific statement that what he said was not a personal attack upon the nine alien enemies. He could not imagine how any person who abhorred the conduct of the German nation in this war could do anything else than dissociate himself entirely from honouring German chemists. Mr. John Spiller also supported the motion, and Mr. John Hodgkin spoke briefly but strongly in its favour; while Dr. George Barger, a former member of the Council, supported the amendment amid interruptions. Mr. E. J. Parry, Dr. L. T. Thorne, and Dr. Senter also spoke, the meeting by this time having become somewhat mixed, and Dr. Senter had to shorten his reply to Dr. Forster.

The cry of "Vote" was by this time uppermost, and the President took a show of hands in favour of the amendment, but the difficulty of enumeration led him to accept the suggestion that the meeting should divide. Thereupon those in favour of Dr. Perkin's amendment trooped out at the west door, and after them the opponents followed. Tellers (nominated for both sides) counted the voters as they emerged from the room. It was noticeable that a fair number of the Fellows left at this point. The President having received the voting-papers, intimated that ninety-three had voted in favour of Dr. Perkin's amendment and ninety-one against it. He indicated that this being the finding of the meeting the matter was closed; but Mr. E. J. Parry said that this was not a correct ruling, as no amendment to a motion becomes the finding of a meeting until it is adopted as a specific resolution. There was a good deal of support of this, one Fellow stating that he particularly desired that the amendment should be put as a substantive motion because he desired to add to it words which would indicate the Chemical Society's abhorrence of the inhuman manner in which the German people is using chemical science in furtherance of the war. "Would you not be better for legal opinion on the matter?" was the question next asked, whereupon the President stated that he had with him on the platform the Society's legal advisor, and it was upon his advice that he declared the amendment to be a definite decision. It was pointed out that many of those who had voted had departed, so that a vote taken again would not

correctly represent those who had taken part in the division, and the President was pressed, especially by Mr. Parry, to adjourn the meeting. Ultimately he agreed, and intimated that the amendment as carried would come up as a definite motion at a special meeting of the Fellows, the date of which would be duly announced.

SPACE FORMULE FOR BENZENE

was the subject before the Society at the previous meeting in the same place, on May 4. When Kekulé was a chemistry teacher at St. Bartholomew's Hospital, London, he had to travel home on an omnibus, and one bright summer evening while sitting on the top of the 'bus he suddenly saw with his mind's eye this figure:



It is from that moment we date the great growth of organic chemistry. Now Professor J. Norman Collie, of University College, is attacking the subject in another way, and the May 4 communication was a continuation of a paper read some twenty years ago, and was developed along lines suggested in the lecture by Dr. Bragg. The essential point of any space formula for benzene is that it shall be a dynamic one in which the atoms are capable of movement. Dr. Collie believes Kekulé's formula to be the best representation of the properties of benzene, and this is represented by an arrangement which is a mean between the ideal positions as here laid down. Only three assumptions are made in this formula:

1. All the carbon and hydrogen atoms are arranged symmetrically about the centre.
2. The atoms are capable of movement either about the centre of gravity of the molecule or their own centres.
3. The carbon atoms are tetrahedral.

The simplest way of arranging the carbon atoms is at the apices of an octahedron, and they are connected on to the other by a single bond. The hydrogen is then attached in such a way that the tetrahedral environment of the carbon atom is retained. In this position the fourth valency is latent and directed inwards. Under these conditions there will be a tendency for the carbon atoms to move, and at one point in the movement the space model will coincide with the Kekulé formula, the carbons being doubly linked. Slides were shown giving an arrangement of octahedra where every carbon atom is equidistant from another carbon atom, and from this the space lattice for the crystal of benzene was obtained. As there is reason to suppose that there is a condition of strain in the benzene molecule, the cause of the deviation of the crystal from the cubic system, which one would infer from this arrangement of octahedra, is explained. This formula is only a suggestion, but it is claimed that it is built up purely on the chemical facts known of benzene. Further, if one can say that probably the atoms are arranged in this way, and if later one can prove that this is the arrangement, then the present attempt will be of interest.

New Books.

The Medical Annual. A Year-Book of Treatment and Practitioner's Index, 1916. 8½ x 5. 10s. net. (Bristol: John Wright & Sons, Ltd.) [This is the thirty-fourth year of the "Medical Annual," and it contains nearly nine hundred pages of matter, apart from advertisements, the contributions being by twenty-eight medical men, every one of whom is notable in his subject. The "Review of Therapeutic Progress in 1915" is by Dr. Frank J. Charteris, of Glasgow, and this includes a dictionary of remedies, which is followed by an exhaustive article on "Radio-activity and Electro-therapeutics" by Captain C. Thurston Holland, R.A.M.C. (T.F.), which is illuminating and well written. A "Review of Medical and Surgical Practice in 1915" follows, this, again, been characterised by thoroughness of exposition, consistent with brevity of expression, each subject being illustrated when possible; in fact, illustration is one of the supreme characteristics of the "Annual." This part of the dictionary occupies the greater volume of the book, and is followed by one on naval and military surgery and cognate subjects by men who have had actual experience. "Public Health," "Forensic Medicine," "State Medicine," and similar subjects follow.]

Trade with the New World.

Where Canada and the West Indies get Chemicals, Drugs, and Medicines from.

IN the Colonial Issue of THE CHEMIST AND DRUGGIST we commenced an analysis and exposition of the world's trade, especially in regard to its future, with particular reference to the British Empire's sources of chemicals and pharmaceuticals. We are thus endeavouring to ascertain the extent to which the British Empire is indebted to her present enemies for goods which we make, have made, or can make. The article of April 22 was confined to statistics of Australian and New Zealand trade. This demonstrated that in five years Australia's imports of these goods were valued at 2,493,192l., and of this 932,343l. was from the United Kingdom and 266,811l. from Germany. These are the figures for 1913, and they show an increase over 1909 of 166,489l. in United Kingdom goods and 98,221l. in German. New Zealand figures were for the decade 1904-14, and the figures for the latter year gave a total of 639,038l. for imports of drugs, chemicals, and druggists' wares. Of this amount 319,822l. came from the United Kingdom, 40,432l. from Germany, and 43,404l. from U.S.A. The 1904 figures were: United Kingdom, 199,038l.; Germany, 6,380l.; and U.S.A., 40,309l. The German increase needs no elaboration.

In the present article we deal with British overseas commerce in the Dominion of Canada and the West Indies. Necessarily figures are predominant, and those which we use

As Regards Canada

are drawn from statistics prepared principally by the Canadian Government. The latest report so issued is that of the Department of Trade and Commerce for the year which ended on March 31, 1914. It is devoted to Canadian trade with France, Germany, the United Kingdom, and the United States. The figures show conclusively that up to the outbreak of war Great Britain had only to consider competition from the United States, France, and Germany in the order named. Although Germany had been Britain's most formidable rival in the world's markets, she had never been so in Canada, and the figures relating to imports from various countries give Germany a very insignificant place. To some extent this is possibly due to the fact that the Canadian tariff places a surtax of one-third of the ordinary duty on German goods, and gives a preference of a similar amount to goods from Great Britain. About ten years ago Germany established a lead over France in exports to Canada, and might have even increased it had it not been for the tariff arrangements made between Canada and France, which have placed the latter country in a more favourable position. The United States is the only country which rivals the Motherland in volume of business.

In considering the figures given in Table A it should be remembered that the Canadian fiscal year closed on March 31, and the 1914 figures are the latest available.

We deal with the imports of similar goods from (1) the United Kingdom, (2) the United States, (3) France, and (4) Germany. We put the figures in distinct tables.

Table A.
Imports of Chemicals, Drugs, Dyes, etc.

	1910	1911	1912	1913	1914
From United Kingdom	811,590	974,900	1,036,449	1,181,836	1,155,021
From United States	1,474,651	1,678,188	1,770,139	1,975,890	1,828,245
From Germany	1,484,831	1,686,272	1,886,619	2,336,885	2,183,294
From France	5,187,156	6,259,968	5,956,606	6,385,068	5,741,321
	96,602	119,970	125,552	194,448	227,386
	246,819	323,052	386,622	555,457	558,466
	130,744	164,535	196,909	259,294	306,224
	164,333	222,141	302,393	337,865	280,834

Table B.
Imports of Chemicals, Drugs, Dyes, etc., into Canada from the United Kingdom.

	1912	1913	1914
Acids \$ dut.	62,133	75,440	75,088
Bleaching-powder ... lb. free	8,885,420	8,132,419	5,011,323
Cream of tartar "	133,142	131,009	70,159
Cyanides "	330,721	601,133	685,068
Iodine, crude "	9,837	13,420	7,530
Medicinal, chem., and pharm. preps., incl.			
Proprietary (dry) ... \$ dut.	353,057	396,016	450,771
Do. (all other) ... \$ dut.	28,900	48,754	49,508
Morphine oz. dut.	440	2,030	4,280
Quicksilver lb. free	55,585	76,916	106,480
Quinine, salts of ... oz. free	95,892	36,396	25,053
Spirits and strong waters gal. dut.	1,025	1,171	2,047
Sulphuric ether, chloroform, etc. ... \$ dut.	5,362	6,853	27,705
Surgical dressings ... \$ dut.	58,989	55,251	75,307
Tartaric acid lb. free	76,901	47,066	68,721
Perfumery \$ dut.	62,381	68,859	78,461
Photo. dry plates ... \$ dut.	36,711	44,758	44,224
Toilet-soap \$ dut.	60,099	75,691	64,485

Table C.
Imports of Chemicals, Drugs, Dyes, etc., into Canada from the United States.

	1912	1913	1914
Acids \$ dut.	177,620	198,493	176,960
Bleaching-powder ... lb. free	24,529	38,959	64,938
Antimony salts ... lb. free	10,745	39,523	15,586
Surgical dressings ... \$ dut.	94,964	141,986	162,214
Bleaching-powder ... lb. free	2,855,144	2,889,349	8,259,287
Cream of tartar "	293,563	288,401	292,881
Cyanides "	306,300	340,330	928,707
Quinine, medicinal ... "	24,102	30,670	21,462
Iodine, crude "	97,251	66,477	24,087
Medicinal, chem., and pharm. preps., incl.			
Proprietary (dry) ... \$ dut.	476,330	554,131	524,324
Do. (all other) ... \$ dut.	92,297	99,861	92,117
Morphine oz. dut.	—	5	207
Quicksilver lb. free	47,275	71,591	96,313
Quinine, salts of ... oz. free	66,742	87,253	102,511
Spirits and strong waters gal. dut.	2,233	2,496	2,735
Sulphuric ether lb. dut.	24,665	33,239	34,704
Tartaric acid lb. free	3,591	3,554	3,791

Table D.
Imports of Chemicals, Drugs, Dyes, etc., into Canada from France.

	1912	1913	1914
Bleaching-powder ... lb. free	247,857	255,086	37,536
Cream of tartar "	1,103,073	1,214,374	1,218,529
Medicinal, chem., and pharm. preps., incl.			
Proprietary (dry) ... \$ dut.	140,159	133,537	201,305
Soda-chlorate lb. free	684,972	319,755	320,951
Spirits and strong waters gal. dut.	601	767	579
Tartaric acid lb. free	14,000	28,560	71,211
Wines, medicinal ... gal. dut.	6,490	11,195	15,906

Table E.
Imports of Chemicals, Drugs, Dyes, etc., into Canada from Germany.

	1912	1913	1914
Acids \$ dut.	6,981	13,793	11,795
" \$ free	7,203	8,029	13,357
Antimony salts ... lb. free	9,296	15,510	1,179
Bleaching-powder "	282,663	252,559	444,475
Cyanide lb. free	51	83,280	1,715
Medicinal, chem., and pharm. preps., incl.			
Proprietary (dry) ... \$ dut.	22,764	55,064	59,512
Quinine, salts of oz.	19,915	30,923	2,673
Sulphuric ether, chloroform, and hyd. perox. ... \$ dut.	3,525	2,438	3,821
Tartaric acid xtals. ... lb. free	175,235	173,968	184,700

It is a remarkable fact that although Germany's efforts in Canada have been characterised by the same thoroughness and efficiency which have distinguished her commercial campaign in other countries, the total volume of her trade year after year has still remained small compared with the U.K. and U.S.A., but she scored in certain lines of duty-free chemicals for which she has cheap raw materials. Aniline and coal-tar dyes, which are free of duty, add greatly to the volume of German exports to Canada, but Great Britain supplied the bulk of the cyanides. The trade in glycerin was divided among Great Britain, Germany, and the United States. The Mother-country supplied \$500,000 worth of medicinal and pharmaceutical preparations, against \$616,000 from the United States, including proprietary medicines, which Uncle Sam widely advertises in Canada. Apart from this, however, there will be room after the war for a more aggressive campaign on the part of British makers of pharmaceutical preparations. There is high regard in the Dominion for British medical supplies of all kinds, and the leading British houses have active representatives there and many of them carry stock, but it is felt this country should have a larger share of Canadian business, and greater energy than ever will be required in order to retain our present position in Canada. There is a general disposition to believe that a large number of American manufacturers will build branch factories in the Dominion, and this applies to pharmacy as well as other industries. The underlying idea is not only to cater for the demands of the Canadian market, but to be in a position to enjoy as manufacturers in Canada the benefits of any tariff legislation which may be enacted after the war. American manufacturers would then be in a position to export the products of their Canadian factories to countries which would be giving Canada a preferential tariff. In this connection we note that the serious development of the Canadian chemical-industry is likely to be undertaken on more co-ordinate lines after the war. Canada, it need hardly be said, has abundant natural resources in the way of basic materials for the production of chemicals.

In the foregoing statistics we have only dealt with the principal items of imports, but Canada is a large buyer of perfumery, the bulk of which comes from the United States; in 1914 the value of perfumery imported from this source was \$460,803, against \$210,697 in 1910. Compare this with \$78,461 imported from the United Kingdom in 1914, against \$39,559 in 1910, and it is evident something is amiss with the British perfume-trade in Canada. Germany sent \$28,500 worth of perfumery in 1914—that being an annually increasing amount, as the 1910 figures were only \$6,942. France has a large and increasing trade in perfumery, her contribution in 1914 being \$215,614, compared with \$133,237 in 1910. The United States has the largest share of the trade in paints and colours owing to her proximity. The imports from that source in 1914 were valued at \$831,370 (dutiable) and \$203,490 (free) goods, compared with \$574,789 (dutiable) and \$235,535 (free) from the United Kingdom. It will be seen that the imports of "free" paints and colours are about equal from either country, and that the preference given in dutiable paints and colours does not preponderate in favour of this country. The United States has always been a large exporter of surgical and dental instruments, and at the present time the output is rapidly increasing. Canada is one of her best customers, importing \$435,320 worth in 1914, compared with \$200,150 in 1910, whereas the imports from the United Kingdom were only \$48,072 in 1914, against \$33,483 in 1910! Similar figures can be given relating to optical instruments, but sufficient evidence has been adduced to show that there is some inherent weakness in these sections which cannot be remedied. At the present time the United States output in these lines is greater than ever, as, with millions of men under arms, the need is greater than ever. Canada, however, is the largest market for medical and surgical appliances made in the United States, and under present conditions is likely to remain so.

As regards the future of Canadian trade, we understand that steps are already being taken in the Dominion

to cope with the new commercial conditions that will arise after the war and the consequences of it. Sir George Forster, the Canadian Minister of Trade and Commerce, is looking after these matters, and the appointment of additional trade commissioners to Russia and Italy is announced as a first step. It is also proposed to organise a special Trade Commission of four or five business men to visit Great Britain, France, and Italy to study the new trade operations. It is further desired to establish in Canada a Bureau of Commercial Information.

The West Indies.

The latest official Blue-book dealing with Jamaica—the largest of our West Indian Colonies—covers the year which ended on December 31, 1914, and it gives the following imports of interest during the year:

	Total Imports	From United Kingdom	From United States
	£	£	£
Medicines and drugs	29,332	10,679	15,996
Chemicals	8,704	4,283	3,563
Quinine	411	199	212
Salvarsan and disinfectants like cyllin, etc.	1,857	1,800	35
Lymph	385	36	349
Essential oils	155	15	89
Opium	173	—	—
Glass bottles	1,043	761	224
Perfumery	8,978	2,762	5,403
Perfumed spirits	4,609	37	39
Spirit, methylated	214	142	72
Soaps, fancy	5,020	2,140	2,717
Soaps, other	34,659	24,573	86
Aerated and mineral waters... ..	1,072	736	261
Medicated wines	625	247	235
Photographic apparatus and chemicals	1,404	336	1,065
Painters' colours and materials	10,827	6,704	3,704

Imports from Germany are relatively unimportant, compared with imports from the United Kingdom and the United States. Of the medicine and drug imports during 1914 Germany is credited with 877, only, and Canada with 1,325. It is quite clear that the United States has captured the bulk of this business chiefly on account of her close proximity and her systematic canvassing of the island. As regards prices of drugs and medicines, we understand that they are rather lower from Great Britain than from the United States, but the promptness with which goods arrive from the latter country quite offsets the disadvantage of higher prices. The superior quality of British aerated and mineral waters tells in favour of this country compared with America. JAMAICA is a large consumer of cheap perfumery (imports practically 9,000% worth), of which the bulk was procured from the U.S.A., while Germany is credited with 354. This figure seems unusually small, because Germany has always been supposed to have a large export trade in perfumery to the British West Indies. The imports of perfumed spirit were mostly bay rum from St. Thomas (4,382.). Great Britain has practically all the trade in common or household soaps (34,573.), but in fancy and toilet soap half of the imports are from U.S.A. Our trade in photographic apparatus and chemicals is poor, being less than one quarter of the total imports. Painters' colours and materials are mostly of British origin. Jamaica is regarded as the most British of the West Indian Colonies, and for that reason the bulk of her trade (both imports and exports) should be in the hands of this country. American exporters have, however, left no stone unturned in endeavouring to secure Jamaican trade, and they have succeeded simply by taking pains to learn directly from importers what they want. Apart from this, the quicker delivery and smaller freight-charges have enabled them to obtain the largest share of the trade.

Great Britain is a large buyer of Jamaica produce, second only to the United States. During 1914 we received 65,846 gals. of honey from the island, whereas

Germany bought 81,431 gals. direct, the total value being 17,200*l.*; of beeswax the total exports were 57,334 lb., valued at 3,225*l.*, of which the United Kingdom received 42,558 lb. and the United States 14,776 lb. Ginger is another valuable product, exports amounting to 18,979 cwt., of which the United Kingdom took 9,008 cwt. and the United States 14,776 cwt., the total value being 30,130*l.* Germany was the largest buyer of pimento, her imports in 1914 being 26,722 cwt., followed by the U.S.A. with 22,885 cwt. and the United Kingdom with 14,595 cwt., the total shipments being 86,310 cwt. Of the 69,488 lb. kola exported the United States absorbed 66,460 cwt. and the United Kingdom 3,028 cwt.

TRINIDAD, the next largest of the West Indian islands, is for administrative purposes classed with Tobago, and for its size and population is a fairly large buyer. Among the principal imports of drug-trade interest during 1914 were the following:

—	Total imports	From United Kingdom	From United States
Medicines, non-spirituos... £	16,747	5,548	7,163
Medicines, spirituous .. (gal.)	2,980	(Germany 1540) 1,101	1,309
Acetic acid (gal.)	711	(Germany 257) 121	—
Chemicals, other ... £	8,422	(Germany 220) 6,085	1852
Ganja lb.	5,728	1,700	(B.E. Ind. 3,928)
Opium £	3,872	1,039	—
Painters' colours & materials £	4,441	3,397	914
Perfumery £	304	5	270
Soap, fancy lb.	53,103	22,302	28,883
Soap, under preferential tariff	—	39,287	—
Spirit, methylated ... (gal.)	1,767	1,133	226
		(Germany 402)	
Aerated and mineral waters doz. pts.	5,734	2,555	354

The figures call for little comment, except that the United States has the bulk of the trade in drugs and medicines.

In GRENADA the imports are largely British: a total of 2,115*l.* worth of medicines and drugs was imported in 1914, of which the United Kingdom shipped 1,181*l.* and the U.S.A. 777*l.*; of chemicals the imports were 864*l.*, of which the U.K. sent 568*l.* and the U.S.A. 198*l.* The bulk of the imports of perfumery fell to the United States—281*l.*, against 125*l.* for the U.K. We also sent 3,000 lb. of fancy soap and the U.S.A. 1,134 lb.

During 1912 the latest Blue-book figures available show that the imports of "drugs, chemicals, and patent medicines" into BRITISH HONDURAS amounted in value to \$45,103, of which the United States shipped \$35,947, the United Kingdom \$7,506, and Germany \$1,073. Perfumery to the value of \$14,785 was also shipped, the U.S.A. contributing \$6,000, the U.K. \$5,000, and Germany \$975. Soap to the value of \$45,459 was also imported, of which \$39,293 was sent from the United Kingdom and \$6,065 from America. The demand for perfumery in British Honduras, principally among the natives, appears to be large. The island of St. Lucia during 1914 imported drugs and medicines valued at 1,385*l.*, of which the U.K. sent 758*l.*, the U.S.A. 429*l.*, and Germany 46*l.* The chemical imports were valued at 500*l.*, of which the U.K. sent 215*l.* and the U.S.A. 279*l.* The drug and medicine imports are likely to increase annually, as the agricultural exports of the Colony are steadily increasing. Lime-juice, cocoa, sugar, coconut, and copra exports all show expansion.

The island of St. VINCENT during 1914 purchased medicines and drugs valued at 768*l.*, of which the United Kingdom furnished 498*l.* and the U.S.A. 190*l.*; while of chemicals the imports from the United Kingdom were valued at 116*l.* BERMUDA bought during 1913 (the latest figures available) drugs valued at 7,232*l.*, of which America supplied 5,429*l.*, the United Kingdom 1,572*l.*, and Canada 231*l.* Bermuda is, of course, well patronised by Americans, whose needs are well catered for.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

IMPERIAL INSTITUTE (VIVISECTION).

In the House of Commons on May 11, Mr. Bonar Law informed Mr. Greenwood, M.P., that the Imperial Institute can be lawfully used for experiments upon living animals. The laboratory of the University of London, the director of which holds a licence for experiments on living animals, has been situated in the Institute buildings for some years past.

SUMMER TIME BILL.

This Bill passed through Committee of the House of Commons and was read a third time on Tuesday morning, May 16, shortly after two o'clock. It received the Royal assent in the House of Lords on Wednesday, and comes into force at 2 A.M. on Sunday, May 21, when all time-pieces should be put forward one hour. Business will therefore begin and finish one hour earlier.

PALM-OIL TRADE.

Our Parliamentary correspondent learns that the report of the Departmental Committee on the palm-oil trade will be found to contain a recommendation, with one dissentient, that a tariff should be imposed on the exports from British Colonies of all palm-kernel and oil-producing nuts and seeds to other countries, including the Allies, with the exception of Great Britain. There is a minority report which suggests that matters should be left where they are until the end of the war.

MILITARY SERVICE BILL.

While this measure was passing through the Committee stage in the House of Commons on Friday morning, May 12, Mr. Yeo moved a clause excluding from enlistment the head of any small business where there is no other person available who could carry it on with reasonable efficiency and the business would be closed down; also that his wife and children depend upon the business. In the course of the discussion the President of the Local Government Board said that the clause amounted to an indication to the Tribunals that those who do not correspond to this description are not entitled, even though it may be an actual fact that they may suffer quite as much as an individual described here, to exemption. He added that the Department instructions tried to make it clear what are the duties of the Tribunals under the Act, and thus called attention to the desirability of giving careful consideration to such persons as Mr. Yeo had in view.

Mr. Glyn-Jones said he was delighted to hear this, and as the matter was urgent he asked that something quite definite should be stated in Regulations.

Here Mr. Long remarked: "No, not Regulations; in a circular," and Mr. Glyn-Jones continued his remarks, concluding, "I do hope that the right hon. gentleman will see, immediately the Act is passed and before the Tribunals deal with any case, that all these married men shall understand what their position is, so as not to give them a month's anxiety, and that he will make it quite clear that he is going to give these instructions to the Tribunals." Mr. Long: "Yes, I will do that."

The Bill as amended was considered by the House of Commons on Monday, May 16. Mr. Yeo's clause was again brought forward, because he considered that the Bill very seriously affects professional men and small shopkeepers; in fact, he put it forward specially for the latter. It was discussed by Mr. Cecil Harmsworth, M.P. for Luton, Mr. Long replying, and Sir F. Flannery, M.P. for Maldon, Essex; Sir A. Markham; Sir R. Finlay; Mr. Pringle, M.P. for N.W. Lanarkshire; Mr. Lough, M.P. for Islington; Sir R. Adkins, M.P. for Middleton, Lancashire; Mr. Duke, M.P. for Exeter; Mr. Glyn-Jones, Mr. Billing, Mr. Ellis Griffith, and others spoke, the majority of the speakers being in favour of the proposals. Mr. Glyn-Jones suggested that the Government should, if possible, issue a Regulation to ensure that the consideration of cases coming within these special categories should be adjourned for three months. At the end of three months they could be dealt with in the light of the conditions then existing. It might be that every member of the House would then consider that, having regard to the circumstances, exemption ought not to be granted. Ultimately the House divided, and sixty-four voted for Mr. Yeo's clause and 185 against. The Bill was reported after the adjournment, and was read a third time. It is now in the House of Lords, and is expected to be passed next week.

Association Affairs.

Aberdeen.—A meeting of the Aberdeen Pharmaceutical Association was held in Robert Gordon's Technical College on May 9 in connection with the prize scheme under which the Association presents prizes annually for competition among the students attending the evening classes of the School of Pharmacy. Dr. J. F. Tocher, who acted as examiner, was present and addressed the students. Mr. J. R. Reith (President) presented the prizes to the successful competitors as follows: *Botany*—First year: (1) May R. Robertson; (2) Malcolm Macfarlane. Second year—(1) Annie R. Benzie; (2) Alex. T. Mackay. *Inorganic Chemistry and Physics*—First year: (1) John D. Smart; (2) Mary A. W. Turner. Second year—(1) May R. Robertson; (2) Malcolm Macfarlane. *Practical Chemistry*—Equal, Annie R. Benzie and May R. Robertson.

Birmingham.—The Birmingham Pharmaceutical Association has completed negotiations with the General Hospital for the initiation of a scheme for the dispensing of medicines for out-patients by the pharmacists of Birmingham and surrounding districts. A panel of pharmacists willing to take part in such dispensing will be formed and a Pharmacopœia will be issued; the patients will be instructed to have their prescriptions dispensed at a pharmacy on the panel in the vicinity of their residence, and will be required to pay for the medicines dispensed, the charges to be according to a tariff agreed upon between the Hospital Board and the Association. The tariff is constructed upon the principles of the original Insurance Tariffs—i.e., each ingredient is charged separately (the cost price being taken from a standard current wholesale list) and an agreed dispensing-fee added. The Secretary, Mr. F. Smith, 221 Soho Road, Birmingham, will supply further details desired to any person or Association interested in the scheme.

Cambridge.—A meeting of the Cambridge Pharmaceutical Association was held on May 12, Alderman A. S. Campkin (President) in the chair. The President mentioned that at the forthcoming annual meeting of the Pharmaceutical Society members of the Council, as well as the President, would reply to criticisms by members of the Society. He also stated that before long the establishment-charge of 0.8d., under the National Insurance Act, will be substantially increased. Mr. B. S. Campkin, delegate to the Local Associations Conference, was instructed to support the resolutions demanding increased remuneration for Insurance dispensing. Arrangements were made for a visit to Cambridge on June 1 of the Peterborough Pharmacists' Association.

Chemists' Dental Society.—The annual report of the Chemists' Dental Society, which was presented at the annual meeting held at the Holborn Restaurant on May 17, dealt with the work of the Council during the past year. The main function of the Society at present is vigilance; the real period of activity will be when Parliament makes some attempt to deal with dental law. The need for special steps for protecting the interests of chemists is apparent from the direct blow at chemists contained in the draft Dental Bill of the British Dental Association, which has been approved by the General Medical Council. The particular peril to qualified chemists who practise dentistry is the reason why the proposed amalgamation with the National Dental Corporation was not persisted in. It has been arranged that opposition to the Dental Bill shall be taken in agreement with the Dental Society of Ireland, so far as the interests of the two Societies are identical. The report also outlined the steps taken in connection with the acceptance by the medical authorities of the Arts examinations recognised by the Pharmaceutical Society and the institution of classes in mechanical dentistry by the London County Council. The finances of the Society are reported as being sound.

Edinburgh.—The annual meeting of the Edinburgh Chemists' Trade Association was held on May 12, Mr. Adam Duncan in the chair. The report submitted by the Secretary (Mr. Dick) showed that the membership is ninety-three. Reference was made to the success of the movements for a midday closing-hour and earlier closing. The Treasurer (Mr. Murray) reported a balance in hand of 11l. 19s. Both reports were adopted. The campaign of the Liverpool Chemists' Association for promoting the price-protection scheme of the Proprietary Articles Trade Association was approved. A motion by Mr. Dundas that chemists should not sell less than twopennyworth of liquids and ointments (articles such as vaseline excepted) was deferred. The following officers were then elected: *President*, Mr. A. Duncan;

Vice-President, Mr. W. W. Brown; *Secretary*, Mr. G. Victor Wright; *Assistant Secretary*, Mr. J. L. Reid; *Treasurer*, Mr. W. S. Glass; *Committee*, Messrs. Innes, Mitchell, Dundas, Murray, Kelly, McPherson, Tavish, Dick, Harley (Musselburgh), and McNab (Gorebridge). It was agreed to make donations of 2l. 2s. to the Benevolent Fund and 1l. 1s. to the Orphan Fund of the Pharmaceutical Society. A sum of 2l. 2s. was also granted to the fund for limbless soldiers.

Flintshire.—A meeting of the Flintshire Pharmacists' Association was held at Flint on May 11, Mr. P. J. Ashfield (President) in the chair. An Executive Committee, consisting of Messrs. P. J. Ashfield (Rhyl), D. Hughes (Holywell), J. E. Hughes (Prestatyn), S. Jones (Holywell), A. Topping (Flint), and A. E. Slinn (Rhyl), was appointed to deal with routine matters. Irregularities in the writing of Insurance prescriptions were mentioned, and it was decided to draw the attention of the Insurance Committee to this matter. Panel chemists are also to be advised that they must adhere to the Tariff-charges for containers. Mr. Dann (Hawarden) and Mr. Prince (Connah's Quay) were recommended for exemption from military service.

Glasgow.—A special meeting of the Glasgow and West of Scotland Chemists' Association was held in Glasgow on May 11 for the purpose of discussing the delay in the payment of chemists' accounts by the Insurance Committee. Mr. John Murchie (Vice-President) was in the chair. It was agreed to forward to the Pharmaceutical Committee a resolution protesting against the delay in making payments of balances of accounts for the last nine months.

Middlesex.—The Middlesex Pharmaceutical Association met on May 10, Mr. Herbert Skinner in the chair. Correspondence was read between the Secretary (Mr. Hugo Wolff) and the Proprietary Articles Trade Association, which was carried on with a view to clearing up the inference that the Pharmaceutical Association has indulged in captious criticism of the P.A.T.A., which it has not done. Mr. Skinner and Mr. Humphrey were appointed delegates to the British Pharmaceutical Conference in July. The members of the Military Service Committee were re-appointed.

Northampton.—A meeting of the Northampton Chemists' Association was held on May 9, the President (Mr. R. F. Wright) in the chair. The principal business before the meeting was a discussion as to the increase in the prices of drugs and chemicals and the restriction on the sale of glycerin.

North Irish Pharmacists' Association.—A preliminary meeting of North of Ireland Pharmacists was held in the Y.M.C.A. Rooms, Belfast, on May 10. Mr. James Tate (President of the Pharmaceutical Society of Ireland) occupied the chair. Mr. Tate briefly outlined the objects of the proposed organisation, observing that, judging from the splendid attendance, they were all of opinion that some organisation is necessary to deal with pharmaceutical problems. He concluded by proposing that an Association be formed. Mr. R. W. McKnight seconded the resolution, which was supported by Mr. William Hanna, J.P., Bangor, and passed unanimously, the name given to the Association being the North Irish Pharmacists' Association. The following were elected office-bearers: *President*, Mr. I. W. Nicholl, Belfast; *Vice-Presidents*, Mr. W. Macartney (Grattan & Co.), Mr. William Hanna, J.P. (Bangor), Mr. H. Lancashire (Ballymena), Mr. H. Crail (Ballyhackamore, Belfast); *Committee*, Messrs. S. Fleming, M. McDonald, D. Henderson, S. Hogg, R. Morrow, H. Todd, A. Wilson, T. Johnston (Lisburn), W. P. Doohan (Bangor); *Treasurer*, Mr. J. C. Culbert (Connswater, Belfast); *Hon. Secretary*, Mr. James Dundee (Malone Pharmacy, Belfast).

Wolverhampton.—A meeting of the Wolverhampton Chemists' Association was held on May 10, Mr. Bowdler in the chair. A resolution of appreciation of the services of Alderman W. G. Cross was passed, on the occasion of his retirement from the Pharmaceutical Council. Mr. S. Phillips was appointed delegate to the Local Associations Conference, in place of Mr. J. H. Coleman. The Birmingham scheme of dispensing for outdoor hospital patients was approved, and the hope expressed that a similar plan could be adopted locally.

SARJEANT & CO., LTD., v. LEESON.—The defendant in this case was successful in an appeal to the King's Bench Division, London, on May 18, against a judgment of Judge Rentoul, whereby it was held that he was liable to make a payment of 5s. in the pound in respect of 200 "C" preference shares in the plaintiff company, which carries on a chemist's business in various parts of London.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

With special reference to the supply of medicines and appliances.

ENGLAND.

Derby.—At the Insurance Committee meeting on May 17, Mr. W. Elmhitt, chemists' representative, expressed appreciation of the manner in which the Committee had co-operated with the Pharmaceutical Committee in the matter of exemptions from military service. Chemists' assistants had, he said, been reduced 50 per cent., and of those mentioned in a list of claims for exemption six were qualified chemists and proprietors of businesses. Of the remaining two, one was a qualified assistant to a proprietor who was not qualified, and the other was an unqualified assistant engaged in dispensing. As a result of a conference between representatives of the Insurance Committee and the Military Representative seven qualified chemists and one unqualified assistant were recommended for exemption. This was subsequently granted conditionally.

Devon.—The Pharmaceutical Committee met at Exeter on May 10, Mr. F. Maitland in the chair. Among the matters considered were the agenda of the Local Associations Conference and the Pharmaceutical Council election. In regard to the latter, the opinion was expressed that Mr. A. Hagon should be supported as representative of Wales. The Secretary reported that the question of the recruiting of chemists is still receiving attention. The Clerk of the Insurance Committee, who attended the meeting, stated that he is using his best endeavours to obtain a settlement of the 1915 accounts.

Dorset.—At the last meeting of the Dorset Insurance Committee, the Medical Benefit Sub-Committee reported the conditions upon which the Commissioners will allow the use of "Rept. mist." prescriptions, which conditions were accepted. The Insurance Committee also considered the question of the recruiting of chemists, and decided, by a majority obtained by the Chairman's casting vote, to support applications to the local Tribunals for exemption of those chemists considered necessary to maintain an efficient pharmaceutical service.

Lancashire.—A meeting of the Lancashire Pricing Bureau was held at Preston last week, when it was reported that the number of scripts examined and priced for the quarter ended April 30 was 213,570. It was decided to take steps to compile forthwith a uniform Pharmacopœia for all the towns represented. The Commissioners advised that not more than three months' supply of prescription-forms should be ordered, as there is a question of revising the form. The amounts payable towards the expenses of the Bureau by the various Committees were arranged.

Middlesex.—The Pharmaceutical Committee met on May 10, under the chairmanship of Mr. Herbert Skinner. Mr. Hugo Wolff (Secretary) read the report of the pricing checker (*C. & D.*, May 13, p. 47), which called attention to the fact that some chemists are using last year's forms for their statements, and others are dilatory in sending in their prescriptions, which holds up all the other accounts.

Norwich.—At the Insurance Committee meeting on May 16, Mr. W. M. Burton called attention to the memorandum received from the Insurance Commissioners about the exemption of dispensing chemists from military service, and added that he hoped in a few days to submit a satisfactory list of chemists, saying that he had reason to believe that the Military Representative would accept the Committee's recommendation.

Oldham.—The Panel Committee, reporting on the cases of alleged excessive prescribing of eleven panel doctors during 1913, do not feel justified in recommending any surcharges. The Committee complain at having to spend "time and mental energy" on investigating these cases.

Plymouth.—The sum of 265*l.* is now in the hands of the Clerk of the Insurance Committee for distribution to panel chemists in settlement of accounts for the year 1914. This will make the payments for that year reach 13*s.* 8*d.* in the pound. The investigation of the scripts for that year is nearly completed, delay having been caused by rearrangements designed to help forward the *ex gratia* payment up to 85 per cent., which the Commissioners have promised. The recommendations of the Joint Committee on the Recruiting of Chemists have been accepted by the military authorities. Only two assistants of military age are to be retained, together with all the pharmacists in business.

Portsmouth.—The Clerk of the Insurance Committee has advised panel chemists that it has been found that the advance of 5*d.* per script is too high, and that he proposes to advise the Finance Sub-Committee that not more than 5*d.* per script should be advanced in future. An adjustment of accounts will be made necessary by this change.

Preston.—At the meeting of the Insurance Committee on May 8, Dr. Pimblett inquired in regard to the scrutiny of doctors' prescriptions, as he is anxious to know whether there is to be any surcharge on the doctors. The Chairman explained the present practice in pricing and checking.

Rochdale.—The Insurance Committee on May 15 reported that a further balance of 94*l.* is to be paid to chemists in regard to the accounts for 1914. The sum of 3,614*l.*, or 86.1 per cent. of the accounts, has already been paid.

Somerset.—At the last meeting of the Insurance Committee, the Medical Sub-Committee expressed disapproval of the use of a local Pharmacopœia for Taunton, and recommended doctors to discontinue using the work.

Southampton.—A meeting of the Insurance Committee was held on May 8, when statistics were submitted showing that there was in 1915 a reduction of 6,524 prescriptions from the number in 1914. The question of the recruiting of panel chemists was also dealt with. Nine persons have been recommended for exemption from military service. Mr. F. B. Wride, Secretary of the Pharmaceutical Committee, attended the meeting of the Tribunal.

SCOTLAND.

Glasgow.—A meeting of the Pharmaceutical Committee was held on May 8, when a letter was submitted from the Scottish Insurance Commission stating that it is the duty of each Insurance Committee to make arrangements for the supply of emergency drugs and dressings to practitioners on the panel; that each Committee should prepare, after consultation with the Panel and Pharmaceutical Committees, such a list of articles with the maximum quantities to be obtained at one time, and that such lists should be revised and submitted for approval annually. The following list of articles and quantities has been prepared by the Superintendent of the Central Checking Bureau, and modified by the Panel Committee: 3 doz. assorted W.O.W. bandages, 4 yds.; 3 doz. assorted gauze bandages; 1 lb. med. lint; 1 lb. borie lint; 1 lb. cotton-wool; 4 6-yd. packages ditto, selected from any two kinds on the Tariff; 1 yd. g.p. tissue; $\frac{1}{2}$ yd. yellow oiled silk; one 5-yd. spool rubber plaster; 36 in. by 18 in. Gooch's splinting; one catheter; 2 oz. chloroform meth.; 1 oz. collodion flex.; 2 oz. aether. meth.; 4 oz. hydrogen perox., B.P.; 8 oz. lotio rubra; 8 oz. meth. spirit; 2 oz. p. acid. borie.; 8 oz. sol. acid. picric.; 2 oz. tr. iodi (or 1 oz. tr. iodi fort. and 1 oz. tr. iodi mitis); 8 oz. turpentine; 10 oz. liq. ercol. sap. (or 25 hyd. perchlor. tabs. 8.75 gr., or 4 oz. acid. carbol.); hypodermic tabs.—1 tube cocain. hydroch., 1 tube morph. sulph. (with or without atropine), 1 tube strychn. sulph. It was agreed to approve of the list. Hitherto no list has been adopted in Glasgow, as the matter was optional. A letter was read from the Clerk to the Insurance Committee, in reply to the protest sent on March 16 against the delay in paying chemists' accounts for 1915. The Clerk writes that these will be dealt with as rapidly as possible.

WALES.

Monmouthshire.—The report of the Clerk of the Insurance Committee regarding the recruiting of chemists states that the matter has been discussed with the Military Representatives, and that the recommendations made by the Joint Committee are being carried out by the Tribunals. The Insurance Committee has provisionally approved of the draft scheme for a Central Pricing Bureau for Wales. The Pharmaceutical Committee asked that their expenses should be deducted monthly at the rate of 2*s.* per cent. of chemists' accounts. The Cardiff Insurance Committee at present undertake the pricing, and the Pharmaceutical Society the checking.

Newport.—The Insurance Committee on May 17 had before them the report of the Joint Committee on Recruiting of Chemists, which gave the names of the chemists who should be exempted from military service as indispensable for maintaining the pharmaceutical service for insured persons. The Committee declined to support applications for the exemption of assistants.

Pembrokeshire.—The Insurance Committee received a complaint from the Pharmaceutical Committee regarding the delay in the payment of chemists' accounts. The Clerk said the delay was due to chemists not forwarding their accounts promptly, and it was arranged that accounts received after the seventh of the month will be held over till the next month.

Pharmaceutical Society of Ireland.

Council-meeting.

THE Council met at 67 Lower Mount Street, Dublin, on Tuesday, May 9, Mr. James Tate (President) in the chair. The following members also attended: Messrs. G. D. Boggs (Hon. Treasurer), Thomas Batt, Richard Blair, J. E. Connor, J.P., Wm. J. Hardy, Thos. N. Moffitt, A. Owen Wells, and W. F. Wells.

THE IRISH INSURRECTION.

THE PRESIDENT said that since their last meeting much history had been made in Ireland. They who came from the Northern Province, although they had heard many reports, were not aware that the city of Dublin had suffered so much. Not only had the heart of the city been razed, but he understood that a portion of the lungs had suffered also. At this time, when the country was embroiled with arch enemies, it was sad to see that their island home had not had the wisdom to try and keep within bounds. He did not think there was any word in their dictionary that would describe the destruction that the capital of Ireland had suffered, and he could not take upon himself to presume to prophesy when Dublin would return to its former glory so far as appearance was concerned. He trusted, however, that this trying ordeal through which the city and country had passed might bring about the advent of a brighter and purer atmosphere, and that all these traces of man's wrath would be swallowed up in good will and harmony and peace. He was glad to see that the members of the Council present who belonged to Dublin had escaped any sad physical effects of the disturbance. He thought that at their first meeting since the disturbance it was only right that they should pass a resolution, and he proposed:

"That the Council of the Pharmaceutical Society of Ireland regard with the utmost detestation the recent attempt of a small section of the Irish people to aid the enemies of our Empire by open rebellion in Ireland, and we take this the first opportunity of proclaiming on behalf of this Society our unswerving loyalty to our King and the Empire of which we are proud to form a part."

MR. BEGGS seconded the motion, which was passed unanimously, and the Registrar was directed to send copies to the Private Secretary to the King, the Prime Minister, and General Sir J. G. Maxwell.

PHARMACISTS' PREMISES DESTROYED.

MR. W. F. WELLS said that before they left this subject they ought to express their sincere sympathy with those connected with pharmacy in Dublin who had lost their business premises, and who had been so severely affected by the destruction in their beautiful city. He mentioned Messrs. Hamilton, Long & Co., Sackville Street; Hoyte & Son; Dr. McWalter; Hayes, Conyngham & Robinson; and Dolan, of Bolton Street, as having suffered. The appearance of Sackville Street was deplorable, he added, and as one of those who got off scot-free he could feel very deeply for those who had suffered. His own district was in the middle of the fighting, and artillery and rifles were discharging all around them. None of the chemists in the district had been affected except in so far as their business was concerned. They had very much to be thankful for, and their escape ought to make them sympathise with those who had suffered so severely. He thought the Government were bound to make good to these people all the loss they had sustained. It was not for them at that meeting to go into the causes of the outbreak. What was coming was known to the man in the street weeks before. He considered that under the circumstances the Government ought to act liberally and make good the losses sustained by the citizens of Dublin who had suffered so deeply. (Hear, hear.) He proposed:

"That this Council desires to place on record its sincere sympathy with those connected with pharmacy whose premises have been destroyed, and others who suffered considerable loss through the recent rebellion."

MR. BEGGS again seconded, and the motion was unanimously adopted, the Registrar being directed to send copies of the resolution to the firms and individuals mentioned by Mr. Wells.

APPOINTMENT OF EXAMINER.

On the motion of Mr. BEGGS, seconded by Mr. CONNOR, Mr. John Burnett, M.P.S.I., was re-elected an examiner for the Practical Pharmacy division of the Pharmaceutical Licence examination.

CORRESPONDENCE.

MR. W. B. GRAHAM, Registrar of the Ontario College of Pharmacy, wrote thanking the Society for the 1916 Calendar, and intimating that he was mailing a copy of the new Canadian Formulary, and also a copy for the President of the Society, who said, "I shall have pleasure in perusing it."

DR. PATRICK MICHAEL MORIARTY sent his diploma from the Apothecaries' Hall of Dublin, and desired registration as a pharmaceutical chemist. The Registrar was directed to ask Dr. Moriarty to furnish the Council with proof that he had obtained his diploma under the provisions of the Act of 1791.

Lieutenant J. W. HARVEY, R.A.M.C., and a member of the Society, wrote from the Fargo Military Hospital, Salisbury Plain, stating that, owing to his military duties, he would be unable to conduct the examination in materia medica and botany in April.

THE Deputy-Clerk of the Council, Dublin Castle, sent copies of orders approving of the appointment of Mr. David Warwick, M.P.S.I., and Mr. James Guiler, M.P.S.I., as examiners.

Communications were received from the following notifying changes in their addresses: Mr. W. Meek, Ph.C., from Seymour Street, Ballymoney, to c/o W. S. Taylor, Ph.C., Enniskillen, co. Fermanagh; and Mr. Hugh Graham, R.D., from 1 Lothair Avenue, Belfast, to 28 Manor Road, Stamford Hill, London, N.

MESSRS. MICHAEL McDONALD, Laurence Mongey, Walter Cecil Tate, J. J. O'Brien, P. F. O'Connor, and P. Walsh submitted certificates from other bodies, and were admitted to Preliminary registration.

REPORTS ADOPTED.

Reports from the following were considered and adopted: The Law Committee, the Certificates Committee, the House Committee, the School Committee, the Declarations Committee.

DEATHS.

THE REGISTRAR submitted a certificate of the death of Mr. James Noy Vance, Ph.C., Bray, co. Wicklow, and also reported the death of Mr. John McClement, chemist and druggist, of Newtownards.

SEALING OF PHARMACEUTICAL LICENCES.

On the motion of MR. WELLS, seconded by MR. CONNOR, the Pharmaceutical licences of the following were sealed: Messrs. J. J. B. Breakey, T. Connolly, H. P. Crossin, M. J. Cullen, A. J. Donnell, R. Dore, J. Duggan, T. J. Farrell, J. M. Gorman, P. M. Kavanagh, R. H. Kerr, J. McGuire, R. McMullan, T. J. McSweney, J. H. Moffatt, E. S. O'Connell, S. P. Wallace, E. S. Whelan, and A. Williams.

REPORTS FROM EXAMINERS.

Reports from the examiners upon the Preliminary, Registered Druggist, Pharmaceutical Licence, and Pharmaceutical Assistant examinations were submitted. For the Preliminary examination twenty-four candidates presented themselves, of whom thirteen passed, two with honours. For the Registered Druggist examination one candidate passed out of four who presented themselves. For the Pharmaceutical Licence examination thirty-one candidates presented themselves, and nineteen passed, ten with honours. For the Pharmaceutical Assistant examination four candidates passed out of five who presented themselves.

NAMES ERASED FROM THE C. & D. REGISTER.

On the motion of MR. WELLS, seconded by MR. CONNOR, the Registrar was directed to erase the names of the following chemists and druggists, from whom no replies have been received to registered letters forwarded on May 19 and December 2, 1915: Daniel Kerwick, The Parade, Kilkenny; Michael Lavan, Ballyhaunis, co. Mayo; Joseph Lawler, Rathvilly, co. Carlow; John McConkey, 155 Divis Street, Belfast; George B. McCready, High Street, Donaghadee, co. Down; Thomas McDonnell, The White House, Portaferry, co. Down; Rose Morris, Crossmaglen, co. Armagh; Annie McMahon Murphy, Carrick-on-Suir, co. Tipperary; Robert S. Pelissier, Clonmel, co. Tipperary; George Porter, Oldcastle, co. Meath; David Robinson, Frances Street, Newtownards, co. Down; Thomas Saul, Rathdrum, co. Wicklow; Thomas Sheridan, Watergate Street, Navan, co. Meath; Thomas Craig Strachan, Carrickmacross, co. Monaghan; and John Sweeney, Aughrim, co. Galway.

"THE CHEMIST'S DICTIONARY OF SYNONYMS AND TRADE NAMES."—Contains 220 pages. Price 2s. 6d. net, by post 2s. 8d., from the C. & D. Book Department, 42 Cannon Street, London, E.C., or leading wholesale houses.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN.

Conference of Delegates from Local Associations.

SEVENTY-FIFTH ANNUAL MEETING.

London, May 17 and 18, 1916.

Conference of Delegates.

THE Throne-room of the Holborn Restaurant is the same place that the Local Association delegates met in last October, but on Wednesday, May 16, when a similar meeting was held there again, the platform was placed at the end of the room instead of at the side, as it was before, and a few minutes after 10.30 A.M. everything was ready for the opening. Mr. Edmund White, B.Sc., F.I.C., President of the Society, was in the chair, and on the platform were members of the Council and of the Executive Committee. Mr. Neathercoat, the Vice-President, sat on the President's right, and the Secretary and Registrar, Mr. Woolcock, and the Parliamentary Secretary, Mr. W. S. Glyn-Jones, M.P., sat on the left. Mr. J. Rutherford Hill, the Society's chief officer in Scotland, was also in the group. There seemed to be fewer delegates present than on the last occasion, but it was altogether a more businesslike meeting.

Mr. White, in a very brief speech, asked those present to help him in expediting business and ensuring that everything was well considered. He then turned to the agenda-paper and asked if the Standing Orders as printed therein were approved, and the immediate exclamations of "Agreed" showed that they were. He then moved, and the Vice-President seconded, the reception of the following

REPORT OF THE EXECUTIVE COMMITTEE.

"The Executive Committee reports that the question of a revision of the N.H.I. Tariff has been under consideration at each of its meetings. Its first duty is to be prepared with data to convince the Insurance Commissioners that on the basis of the Departmental Committee Report the figure 0.8d. is wrong. It may be that satisfactory remuneration on N.H.I. dispensing will be provided by a modification of the establishment-charge, but your Executive Committee is of opinion that whatever may be the result of the negotiations with the Commissioners on this point they must insist upon increased remuneration for the work. The form in which this increase is to be obtained depends largely upon the report of the Accountants who have been specially asked to advise the Society on this matter. A number of resolutions dealing with methods of remuneration appear upon the agenda, and the Committee would welcome the opinion of the Conference upon them, but they are of opinion that the wisest course to take would be to give general instructions to the Executive Committee to negotiate with the Commissioners and to report the result of those negotiations in ample time for the opinion of those upon the panel to be taken on the question whether or not to continue service."

Mr. Hugo Wolff objected to the words at the end of the report referring to service. Mr. Ridyard, of Derby, was not of the same opinion, and mentioned that in that district they had taken a vote on the matter, with the result that out of ninety-four papers sent out eighty-four were returned and sixty-two, not including companies, were willing to withdraw, and only four were unwilling. Such remarks might have gone on indefinitely had not the President called attention to the fact that the report was not a motion, and could not be amended, whereupon it was put and carried. The meeting now came to the resolutions, the first of which was proposed by the Executive Committee as well as by Huddersfield, Burton-on-Trent, Durham, and Northumberland Associations. It was as follows:

"That this Conference is emphatically of opinion that the remuneration for the professional care and skill involved in the dispensing of N.H.I. prescriptions as provided by the Tariff and Regulations is inadequate."

This was agreed to without discussion. The President and Vice-President also proposed:

"That negotiations be entered into with the Commissioners with the object of increasing the remuneration either by an increase in dispensing-fees or establishment-charges, and that

the Executive Committee shall submit the decision of the Commissioners to the Local Pharmaceutical Committees in time for a ballot of the Pharmacists (including Corporate Bodies) on the Panel to be taken on the question as to whether or not they are prepared to continue on the Panel for 1917."

There were four amendments to this, the first being by Sunderland to omit "either" and "or establishment-charges." It looked like giving some trouble, and Mr. Woolcock explained the technical disadvantages that would arise were the amendment carried. Mr. Leo Josephs, Cardiff, also showed why the amendment was undesirable, the result being that it was withdrawn.

The next amendment was by Essex, and was proposed by Mr. J. H. Matthews and seconded by Mr. Goode. The object was to obtain from corporate bodies an expression of opinion in regard to remuneration for Insurance dispensing, and no doubt arose from the fact that at the beginning of the present year, when Southend-on-Sea wanted to stand out against the new terms of payment, Boots, Ltd., did not, for the reasons reported in the *C. & D.* at the time, and Mr. Matthews stated that they had withdrawn from the Essex Association. Mr. W. B. Trick, of Lewis & Burrows, stated that he was with individual chemists in their demand for better remuneration. He considered that the raising of prices is at the present time an essential, and his company are not inclined to carry on the business at a direct loss, while he also added that the whole of the directors of Lewis & Burrows has sent subscriptions to the Associations. Mr. Rowsell reminded the meeting that this was not a company representative question only, and recalled that in the early days of the Committee Mr. Waring, of Boots, was with them from the first and represented loyally.

Mr. Waring then spoke. He mentioned that he regarded this as an important matter. In the early days Mr. Rowsell and he were two of the quartette who produced the original Tariff, and he considered that it is not dead but merely sleeping. The Drug Companies Association had worked well with the Pharmaceutical Council, and so far as it and the Pharmaceutical Society are concerned relations were cordial, and there had been no rift within the lute. He recalled the fact that at the last Conference the delegates agreed to go on the panel for 1916, and that was his company's guiding principle. Subsequently they had been asked to go off the panel, but in view of that agreement they declined, in the public interests, in the interests of pharmacy, and in their own interests, and decided to abide by the decision of the Conference. He considered that the decision was reasonable and practicable, but he could not pledge his company's word in regard to any future policy until they knew what this meant, and he assured the meeting that anything submitted to them by the Executive Committee would be considered by the Company Chemists' Association, and he could not see that the delegates at that meeting would expect anything more reasonable.

Mr. Neathercoat objected to the amendment because it was covered by the resolution itself. Mr. Melhuish, as President of the Western Chemists' Association, disagreed, and after brief remarks by Mr. Bates (Manchester), Mr. Glyn-Jones explained that the amendment had been drawn before the terms of the motion had been known; thereupon the discussion quietly fizzled out, and the amendment was withdrawn.

Mr. Shaw (Huddersfield) put the next amendment, the effect of which was that Local Associations should in future discuss any dispensing terms suggested, but after remarks by Mr. Young (Bucks) and Mr. Sargeant (Leeds), it was withdrawn, as also was a Durham amendment, whereupon the original motion was again debated, Mr. Forster, Mr. Ayres, Mr. Rowsell, Mr. Wolff, Mr. Leo Josephs, Mr. Body, and Mr. Beilby discussing it, but Mr. Charles Thompson suggested that it should be put to the meeting, which was done, and it was carried. The next motion was:

"That the Pharmaceutical Society be asked to endeavour to obtain a marked increase of dispensing-fees for National Insurance dispensing."

This was moved by Mr. Bowden (Wimbledon), the motion being by the Surrey, Bradford, Glamorgan, and Burton-on-Trent Associations. Mr. Silson (Bradford) seconded. Then came the first of four amendments, this being by Sunderland, but it was withdrawn. The second, requiring a dispensing-fee based on doses, was moved by Mr. Ashton (Grimsby) and seconded by Mr. Body, but there was considerable difference of opinion. Mr. Herbert Ferryman (Southampton) indicated some of the differences, and when the matter was put to the vote there were only two for it, the rest of the meeting being against it. The third amendment was by Burton-on-Trent, substantially for a simplified system of Tariff pricing, but after a speech by Mr. Wilfred Lean, the amendment was dropped, and Mr. Jenkin (London) followed suite by dropping an amendment to the effect that any medicament outside the Tariff should carry a full dispensing-fee. The fourth motion was in the following terms:

"That this Conference is convinced that the establishment-allowance of 0.8d. is totally inadequate."

This was proposed by Northamptonshire. Mr. Martin (Eastbourne) submitted an amendment to the effect that the minimum dispensing-fee should be 1.5d. Mr. Deakin seconded, and a long discussion followed in regard to the establishment-charge, which several speakers indicated should be at least 1.25d. The discussion culminated in a private statement by Mr. Woolcock, as a result of which the amendment was withdrawn, and the motion was passed. Then came the following motion from the West Riding:

"That as a dispensing-fee of 1d. is allowed on all solid and liquid preparations on the Tariff (not requiring compounding), it should also follow that all dressings, bandages, etc., should carry a 1d. dispensing-fee, as the 0.8d. includes no payment for personal services, and such remuneration is quite inadequate for the work entailed in supplying the numerous and varied dressings comprehended in the Insurance Tariff."

Mr. Briggs moved this and Mr. Yates seconded. Then came an amendment asking for 33 per cent. on appliances and plasters, which was ultimately withdrawn, although it remained as a recommendation to the Executive Committee, and after an Isle of Wight amendment fell to the ground, the original motion was passed. A long discussion followed upon a motion in regard to the cost-price of drugs, which was proposed by Mr. Clubb. The cost of carriage came into the discussion. Mr. Forster, Mr. Ferryman, Mr. Clague, Mr. Jones (Cardiff), Mr. Josephs, and others expressed the points of view, the result being that when the motion was put "Resolution 6 (a, b, and c)" was lost.

This disposed of the chief items of the morning. Eight miscellaneous matters were then submitted, the first being proposed by Mr. Ridyard, of Derbyshire, and seconded by Mr. Baker, of Hampshire, namely:

"That the Executive Committee be requested to attempt something more helpful than an endorsement of the resolution passed at the last Conference with reference to the mile limit in 'rural' areas, and that pressure be brought to bear on the Insurance Commission at the earliest possible moment."

Mr. Ridyard mentioned that out of 160,000 insured persons in Derbyshire, chemists dispensed for 120,000 only and the doctors for the rest. Mr. Baker also gave some figures for his county, where 44,000l. is spent on Medical Benefit. Of this doctors get 33,000l., and one might conjecture that 10,000l. of the rest would go to chemists, but they only get 5,140l., showing that the doctors do about as much dispensing as they. Mr. Rowsell considered that there was a great deal in what was said, and he proposed that the Executive Committee should look into the matter, get figures, see exactly how things stand, and make a report to the Commissioners. The motion was passed, as was also the following, proposed by Mr. Pickard from the West Riding of Yorkshire:

"That the Conference considers the payment of postage on prescriptions sent to the Bureau for pricing is an injustice which should be removed."

Mr. Woolcock indicated during the discussion that the Commissioners have authorised payment of postage to be made, and it really appeared that this can be generally followed if people concerned consult Mr. Woolcock. The motion was carried, as was also the following:

"That the Executive press for more representation of pharmaceutical interests upon local Insurance Committees."

This was proposed by Birmingham and Wigan. The next motion was to the effect that the expenses of Pharmaceutical Committees should not be deducted from the amount payable to chemists. Mr. Silson proposed this for Brad-

ford, and after Mr. Glyn Jones and Mr. Deakin explained matters, it was withdrawn. A similar fate was accorded to a motion by Burton-on-Trent to the effect that the pricing of Insurance prescriptions by the payers (Insurance Committees) is commercially unsound, but the proposer talked a little too long, and he had no seconder. It was accordingly withdrawn.

Most people in the room had by this time become hungry, it being nearly half-past one, and a withdrawn decision was given also to a motion by Huddersfield, proposed by Mr. Shaw, in regard to the illegal manner in which the Commissioners apply the Drug Tariff to Sanatorium prescriptions. There was a good deal of discussion on the subject, but nothing fresh. Mr. Antcliffe proposed, for Sheffield, the following:

"That this Conference is of opinion that it is essential to the interests of Panel Chemists that each Pricing Bureau should consist, at the least, of one pharmacist, and that the chief officer or technical adviser should be a qualified chemist, and that the Executive Committee be urged to take the necessary steps to secure these appointments."

This was approved, as also was a motion by Glamorgan, in the following terms:

"That the Pharmaceutical Society be instructed to ask the Government to make a Treasury grant of money for the relief of those chemists in whose areas discounting has prevailed in 1915."

It was understood that the subject of this resolution was to be discussed by the Executive Committee in the evening preparatory to official action.

So ended a morning's sound business, and those present went upstairs for a good luncheon, an appendage to which was a collection of 10l. for the Orphan Fund—in great want at present, said Mr. Bilson.

Annual Meeting.

For the first time in the history of the Society the annual meeting of the members has been held away from the headquarters. It was this year sandwiched between the meetings of the Local Associations Conference, and took place at the Holborn Restaurant, London, W.C., at 3 p.m. on May 17. The presence of the delegates from all parts of the country who were attending the Conference also established what we believe to be a record attendance at the annual meeting. The number present was between 275 and 300. This large attendance coincides with the happy circumstance that it was the seventy-fifth annual general meeting of the Pharmaceutical Society.

The President (Mr. Edmund White) was supported on the platform by Mr. E. T. Neathercoat (Vice-President), Mr. W. H. Gibson (Treasurer), and the other members of the Council. Mr. W. H. Quarrell, the Society's solicitor, Mr. W. S. Glyn-Jones, the Parliamentary Secretary, and Mr. W. J. Uglow Woolcock, the Secretary and Registrar, sat on the left of the President.

The President opened the proceedings by asking the Secretary to read the notice convening the meeting, and, this having been done, it was agreed by the members that it was not necessary to read the annual report of the Council, this, with the accounts, having been supplied in booklet form to all who signed the attendance-sheets.

Presidential Address.

The President: Ladies and Gentlemen,—Our first business to-day is to deal with the annual report. We have this year published it in book form, which I hope will meet with your approval, and I should like to ask you if you will take it as read, without its being read all through *seriatim*. ("Hear, hear," and "Ay.")

Now, it is my duty to-day to deal more or less fully with the annual report. I should like to say first, on behalf of the Council, that I welcome this very large gathering to the seventy-fifth annual meeting. Probably it is the largest meeting we have ever had in the history of the Society, and I am fortunate in being President this year and have the privilege of presiding over it. Now, the annual report is already in your hands, and I think you will agree with me that it on the whole reveals a very satisfactory condition of the Society's affairs. I think the Council—I am speaking for them here—may claim credit for the conduct of your affairs during a very trying period. We all deeply regret to-day that the country is plunged still in a state of war, and is compelled to pour out its resources and sacrifice the best blood of the nation for fairplay and freedom, for which the British Empire always

stands. (Hear, hear.) May the President next year be in the happier position that he will be able to refer to this bloody conflict as a thing of the past. ("Hear, hear," and applause.) During the past year we have suffered a number of losses, and I should like to refer, in the first place, to Mr. F. A. Rogers, who has ceased to act upon the Council, and who for so many years presided over the destinies of the Benevolent Fund. He was a very excellent member of the Council, and we regret his severance from us. On the other hand, we have a gentleman to take his place, Mr. Goode, and I am sanguine enough to know that he will do yeoman service for you. (Hear, hear.) I cannot also refrain from mentioning the name of Mr. G. T. W. Newsholme. That gentleman was so linked with us in the past, and worked so very hard and successfully in the best interests of pharmacy, and I certainly think that his removal is a distinct loss to us. (Hear, hear.) At any rate, we are glad that he lived long enough to see that his persistent efforts towards organisation bear fruit before his death.

STATISTICS AND EXAMINATIONS.

Now, I should like to deal in the first place with the figures, and you will be very pleased to find that there has not only been no decrease, but an actual increase. None of us would have been surprised to have found a decrease this year. It might be concluded or held that this increase, as shown by the statistics, indicated the complete approval of the Council. (A Voice: "No.") On the other hand, I will put it that it might be concluded that all the new members were infused with the determination to put the Council right. (A laugh.) But, whichever way you take it, we may be agreed to say that a larger and still larger proportion of pharmacists in this country are willing to join the Society and take their fair share in the burdens of carrying it on. Only this morning, at the special meeting of the Council, we either elected or restored ninety members of the Society, and I take it that this afternoon they are anxious to influence the destinies of pharmacy at the ballot-box. (Laughter, and "Hear, hear.") Passing to the subject of the examinations, the Council has been obliged, owing to certain circumstances, to suspend its activities in the direction of reviewing, and possibly altering, the examination arrangement. In the year preceding the outbreak of the war we had a series of lectures at our place in Bloomsbury Square on the subjects selected for inclusion in our Syllabus. The Council thought it right to make an attempt to gauge the feelings of the members, in order to see which, if any, of the subjects might be fairly taken as representing useful additions. Now, the Council is ready, at the earliest possible moment, to resume those efforts. Probably you are all agreed that some change or development in our Examinations Syllabus is necessary. The Syllabus has been in existence for many years, but matters have changed rapidly during the last few decades, and it is time to review the whole situation. It is the duty of the Council to see that those who are on the Register are properly trained and equipped in the conditions in which they will find themselves in their practice. (Hear, hear.) The more we advance as dispensers of medicines for the nation, the more necessary it may be to have an adaptation to circumstances, and to obtain the position for which you are striving.

TURNING TO THE ORGANISATION,

which is a very blessed word, like Mesopotamia—it is always with us, like the poor—(laughter)—at the commencement you will notice more than ever that the size and representative character of this gathering is an outward and visible sign of the effect of our organisation. We should not have had a meeting such as this if it had not been for that present organisation. That we have made progress in the last few years is perfectly clear, and that there is still room for improvement I think we shall be agreed. ("Hear, hear," and a laugh.) Anyhow, to-day we can organise—I do not like to use the word which might be chosen by some, such as proprietary rights—to co-ordinate, but we certainly can do that throughout the country in a manner which was not possible a few years ago. We are improving rapidly under our present system—not necessarily because I believe it is good, but because our units are improving under the system. Right from the centre in Bloomsbury Square, in dealing with the members of the Associations throughout the country, there is a progressive improvement in the response we get from our units, when we get them together, to do work, and this is rapidly drawing nearer. The Council very much appreciate the way in which the Local Association officers have responded to the call made to them during the past year. We have never sent out a circular on urgent business to which we have not had an increasingly large response. The last one

of great importance was the recruiting one. I am going to say to you who deserve it that those who were responsible for carrying that out did about the best piece of work in the country that they have ever done in the nature of organisation. Before I leave this subject I should like to refer, in passing, to the heat which is sometimes introduced into the discussions about proportionate representation on the Council or any functions of the Society. We want the best men on the Council certainly, and I do not think that any particular member is prepared to maintain that his particular area possesses the monopoly of the best talent. (Laughter, and "Hear, hear.") If you come to our meetings you will find that each part has its own geniuses, and I myself do not know which is the best one. But we do want the best to be found in pharmacy. (Hear, hear.) The Council in the past has taken a sort of rough-and-ready plan of trying to get the best proportionate representation that it can, remembering always that there must be men within easy reach of the centre—that is to say, a sufficient number of Councillors for administrative purposes. You do not want to waste your resources in bringing men up from long distances. (Hear, hear.) Some might say that there is nobody of any particular importance in London, so why have them on the Council? (Laughter.) Well, it is open to you to say so. I think, however, there are sufficient in London to be trusted to do the work, and I do not think it is necessary to bring too many from far-distant parts. So you must, therefore, have a rough sort of distribution in that particular direction. I do really deprecate the getting-up of discussions, or agitations, or correspondence which make invidious comparisons between Leeds, Yorkshire, London, or Middlesex. (Laughter and applause.) I believe that they are all good men; and, you know, they all have their axes to grind. (Laughter.) Of course, that is for their Association, and not for themselves. (Laughter.) I do believe, however, that that sort of thing, if carried too far, does not do us any good. (Hear, hear.) I think such antagonism does not do any good. We like a little of it, of course, but I say do not do it to too great an extent. There are good men in all parts of the country, and it will not do to make invidious comparisons.

EDUCATION.

Now, turning to education, you will notice that the school has been going along at a comparatively slow pace during the year. As a matter of fact, most of the students have been women this year. A very large proportion of them have been women. That is only natural under the circumstances, and that accounts for so many of them having taken the prizes. It is not that the men have been getting mentally weaker. At any rate, the women seem to have taken them; but that, I believe, can be easily explained by the fact that there have been so many of them. (Laughter.) Anyway, we have had a very much diminished school, and there has been a much less demand for professional men. But although they have not been engaged in simple educational work, there has been some very important work done, and the men and the machinery at the disposal of the Society have been turned into a groove for the purpose of being of benefit to the nation. I think it is only right to say that the Council is much indebted to the professors, under all the circumstances, who have turned their activities in connection with this great crisis. The work done by them has been of much importance, and we shall receive recognition for it in due time. A further gratifying indication of the public esteem in which the Society is held is to be found in the number of times in which the Society or its officers are referred to by various Government Departments for their assistance in dealing with the large number of problems which have been raised by the war, and which come within the province of your professional calling. ("Hear, hear," and applause.) I do not at all think the Government have appealed to the Society without useful result, and I do not think that you would wish us to stint ourselves in giving that assistance. ("Hear, hear," and cheers.)

With regard to our staff, I will refer to them here. They have worked, as they have always done, willingly and efficiently. (Hear, hear.) Anybody who has paid a visit to the Society's premises will bear me out that he has always received a proper reception, and as far as possible has obtained the information which has been asked for—that is, if it has been done in a proper way. Throughout the year there has been a readiness to shoulder any extra burden by the staff, without any question as to time or their personal convenience. (Hear, hear.) And what I say about the staff at Bloomsbury Square refers equally well to the staff in Edinburgh. The Scottish members present will bear me out that there has been the same disposition on the part of the staff to do all they possibly could during this very trying period. (Hear, hear.) We have

had recruiting, and our staff has been depleted in consequence, but I do not think that any change in the manner in which matters have progressed would have been at all observable. The work has been most efficiently carried out.

INSURANCE ACT DISPENSING.

With regard to National Health Insurance, I do not think we are going far wrong when we say that this special subject presents problems of very great difficulty. The Local Associations Conferences have been dealing with them—the meeting this morning discussed it—and we trust the collated wisdom of the delegates will allow us to arrive at a solution of many of these difficulties. I think the Council feels that it is necessary for you to exercise some patience in this matter. I know there are a lot of hot bloods in the country to whom this advice is not acceptable. But I am absolutely certain, looking at the matter from the point of view of President of your Society, who knows what you suffer from, and the difficulties which beset you, that you must have patience. That is a sound line to follow. A hasty settlement is going to be detrimental as compared with a considered judgment. (Hear, hear.) We know full well at headquarters—if we only take into account the language used to us—(laughter)—as to all your grievances. There is no ambiguity in the language. The good Anglo-Saxon words which are conveyed to us leave us no room for doubt. (Laughter.) But the removal of these grievances is a much more difficult matter than their reiteration. Your writing of letters does not make it half so difficult to remove them. (Hear, hear.) But the Society, through the Council, do deserve gratitude for what it has done with regard to the National Health Insurance. If it had not been for the steady and skilful work—and I use the word “skilful” quite advisedly, because even our opposers say it is skilful, and we should not take less praise than our opponents give us—if it had not been for the things the Council have done for you, your position under the Act would have been very much worse than it is to-day.

TRADE MATTERS.

Another subject which has occupied a very prominent place in the deliberations of the Council is what is described as trade matters, the protection of the business of chemist and druggist, which is a subject that is hedged round with difficulties, which have to be dealt with very carefully. The Council has felt—and I think correctly—that it is not yet sufficiently informed of the opinion of the members throughout the country as to going beyond certain safe limits, and I may remark that the correspondence columns of the “Journal” are not always a complete reflection of the majority of the opinions of the members. (Hear, hear.) If you will take into consideration what the Council has done, you will admit that no charge of indifference can be brought against them. What has more seriously affected you than the National Insurance Act, than the various Acts as to spirit-duties, recruiting, mineral-water duties, and—at the present time—the regulation of the supply of glycerin? The number of less important interests will readily occur to you by your reading the reports of the Council's proceedings. On the other hand, we must not lose sight of the many important functions which the Society has to carry on, and the neglect of which might lead to the prejudice of the position which has been already won for the Society. The only subject up to now which the Council has refused to do with is the regulation of the prices of the proprietary articles. This is conditional. It has been felt that before touching the subject it is desirable to obtain the feeling of our members as accurately as possible, and an opportunity of doing this will occur at the Conference to-morrow morning. I think I am interpreting the views of the Council, or the majority of them, when I say that they consider it advisable to go slowly in the matter. *Festina lente*, I think, applies—go slowly if necessary—for it is easier to make a false step than to retrace one. The Council is perfectly willing and desirous of taking any steps for the welfare of pharmacy. I am sure, notwithstanding anything that may be said to the contrary. Let us be careful that the swing of the pendulum—and the days may not be far distant—do not carry us too far in the other direction. You will notice that the scheme for the care of dependants is still going on the same as last year, and that our funds bear the cost of administration, and I and the other members of the Council thank our friends for having given their time and services to render the scheme possible. I think this has been quite justified by the results.

FINANCE.

And now with regard to the balance-sheet, which you will find is incorporated with the book which you have before you. On the expenditure side there has been an

increase of 90% in the examination expenses, which is due to the larger number of candidates examined. On the other side there is the gratifying fact that you have examined more candidates, and that there has been an increased revenue of 916%. There are a smaller number of entries, which can only be expected considering the circumstances through which we are passing. The fees for registration were 296%. These have fallen from 735% to 500%. It is obvious that a large number of young men cannot be induced to defer (defer) registration, which will be removed later on. On the “Expenditure” side you will see that the wages paid to house servants have increased 32%. This has been partly owing to the necessity of having a night watchman in place of the arrangement which existed before. The “Journal” has cost a little less—175%—and there has been a decrease in the law costs of nearly 300%; that is the net amount. That is, balancing the income with the expenditure. That 300% is accounted for in this way: that, although the department has cost no more to carry on, the penalties recovered have been 300% in excess of 1914. We have had minor savings in regard to the museum and evening meetings, because we have held none of the latter during the course of the war. The Register has cost 20%, less, which is due to the saving on printing, and that H.M. Stationery Office have taken a large number of copies from various Government Departments. Your rates and taxes and insurance have increased 74%, which has come about because we have not had so much from the Insurance Committee for the rooms which they formerly occupied. Then there have been 50% less for repairs, alterations and fittings, and electric service. You will, I feel sure, approve of what the Council have done in the way of not getting certain work performed during the war which can be put off for a time. We have confined it simply to what is absolutely necessary. We shall have to spend the money when times are more propitious. The Council, I may say, have spent more than 200% more in salaries. We have had to employ a bigger staff, but I think you will be satisfied that the services which have been rendered have been well worth the money you have paid for them. In the School the economies have amounted to 265%, which has been due to the number of assistants who have been removed by the war. On the other hand, we have had a smaller income by 238%. You will see, however, that those two items nearly balance. Then you will notice that there is the sum of 50% on account of the Hanbury medal, and that 50% is given to the recipient. That comes from Mexican Bonds, which did produce 50%. But this year, as you know, Mexico is not, financially, in a good condition and is not paying its debts. We have had no dividends in that respect, so we had to pay that 50% temporarily. The travelling expenses of the Council have been less—I do not know why, because food has become much dearer—but probably they have kept them down to the same figure as before. Local Associations and Parliamentary expenses are only 7% more than last year, which is very satisfactory. I think you will agree that that is an item on which we should not economise unless it becomes really necessary. Then there is the item of 55% for the Staff Provident Fund. Some time ago the Council, I may say, decided not to grant any further annuities or pensions, but in order to encourage the members of the staff to save for old age the Council recognised the Provident Fund which had already been formed. In this the members have a deduction of 5 per cent. from their salaries, which is put into the Fund, and invested at compound interest for their benefit. Then the Council adds an equal amount, *pro rata*, to the contributions, and when a member of the staff ceases to belong to the Society he can withdraw it. This, I think, is a very much more satisfactory system than formerly, and I hope it will lead to better results. On the “Income” side the investments have yielded more, although not through cleverness on the Council's part, but owing to the fact that the returns have increased 4 or 5 per cent. owing to the monetary conditions of the market. That has been more or less more automatic than accidental, and the probability is that they will go down again. Then there is the sum of 201% on the income side, which represents the grant made by the Board of Education towards our School. This is gratifying, not so much because of the relief which it gives as to the fact that it is recognised that the Society is carrying on a public work in maintaining a highly efficient School. We should not have had that unless we had been efficient, or that the Board of Education were satisfied that we were carrying out work of public utility. The amount received from subscriptions is rather lower, although the membership is greater. We have a number of students and associates on active service, and we do not intend asking them for subscriptions during the period that they are away. (Hear, hear.) The number is not a criterion of the number actually serving

at the Front but we have many of them there. Therefore, as you see, the income from that source is rather less. There is an amount standing under the name of the late Mr. H. L. Hargraves amounting to 250*l*. This was left to the General Fund of the Society, and we have been obliged to put it down—there is no fund called the General Fund, but the Charity Commissioners have decided that it shall be invested. We have to invest the capital amount, and we can use the income therefrom for the General Fund of the Society.

In putting these figures all together we find that there has been a decrease in the expenditure of the Society of 588*l*. The increase of income from various sources is 725*l*., and the total, adding them together, is therefore 1,313*l*., which, I think, you will agree is a very fair record of the financial management during this very troublesome period. ("Hear, hear," and applause.) I do not think the Society has hesitated to spend money when it has been wanted during the year. Nevertheless, we have this very satisfactory state of affairs. The Council watches over every department with very great care, because we do not know when the necessity may arise for the money to be used, and it is not advisable to be without a shot in the locker. (Hear, hear.) Whenever we can save we should do so, and try and adjust the income and the expenditure as near as possible so as to make no loss on any part of the Society's work. I hope you will endorse the report to-day and accept it, and show your approval very heartily of the work which you see has been done during the past year under the very trying conditions which the Council have had to face. (Loud applause.)

Mr. E. T. Neathercoat (Vice-President), in seconding the motion, said he considered the speech of the President had been a very comprehensive one, as he had no doubt the members would agree. He had dealt with it in a full and interesting manner, and had laid before them the various forms of activity of the Society during the past year. There was, therefore, nothing left for him (the Vice-President) to add.

The President having announced that the report and balance-sheet were now

OPEN FOR DISCUSSION.

Mr. Herbert Skinner heartily congratulated the Council on being able to bring together such an immense gathering at their annual meeting that day. It was a great pleasure to see so many present, and he considered it exhibited the increased interest which was shown in the Pharmaceutical Society. Touching upon what he could not help calling "that blessed word, organisation," he suggested that where it was seen that the Associations were grouped together into a Conference which met more or less regularly, they should go yet a little further during the ensuing year and include the grouping of the Associations together as well. With regard to trade matters, which was a subject he disliked bringing up, as to the item relating to glycerin, he found, on reference to *THE CHEMIST AND DRUGGIST* three weeks ago, that the Drug Club had agreed with the Minister of Munitions in regard to an arrangement on the subject of the rules. Whether that Club was an integral portion of the Society he could not say, but probably the President would be able to throw a little light upon the subject. Another matter he would touch upon was that relating to a quotation in the above journal referring to a circular issued from the War Office stating that dispensers—as such—in the Army were not required unless they were skilled in x-ray work and clinical chemistry. Then, again, it had been admitted that the question of bacteriology might arise, although the Editor of *THE CHEMIST AND DRUGGIST* distinctly stated that that could not arise without the vote of Parliament. He hoped the Council would take the matter into their consideration, and that they would be able to prove that the above-mentioned Editor was wrong, but that it was possible to deal with those questions so that the profession would be able to go to the War Office and to the Navy and say that the pharmacists turned out now were the right-hand men of the doctors, and not the mere dispenser, of whom no recognition could be obtained. He heartily congratulated the Council and the Society upon the work done, and hoped they would continue in the same good pathway.

Mr. Leo Josephs (Cardiff) said that as a provincial member he would like to bear testimony to the good work of the Society. There was no doubt the officials were frequently called upon to tackle most difficult problems at almost a moment's notice, and they had done it so expeditiously that it might almost be said that they had saved the chemist's bacon. (Laughter.) He felt sure that they could not be better served than they were through their staff. (Hear, hear.) No doubt many criticisms which

were sent in from time to time were emphatic, but yet they might be perfectly honest; but it more frequently happened that those which at the outset were intended to curse remained to bless, and that the conclusion was come to that the work carried on under the Society's auspices to-day was in the interest of the chemists, not merely from the material point of view, but in a manner which added to the dignity and status of the profession in such a way which they never possessed before. He felt bound to say that never before had the Society held such a status in the eyes of both the Government and the State Departments, as well as the general public, than was the position to-day, and that was greatly due to the efforts of the Council and the officers of the Society. (Applause.)

Mr. J. W. Deakin also offered congratulations upon the efficiency of the work done. He was also a provincial member who joined the Society long before the period of "statutory qualifications" being associated with it. He had, therefore, continually from that time downward taken keen interest in its work, and he quite agreed with regard to the sympathetic criticism to which it had been subjected. All recognised that any fool could criticise. A fool could set fire to St. Paul's Cathedral, but it required a Wren to build it. (Hear, hear.) When there was wholesome criticism it quickened the energies. He hoped the Society would continue to proceed upon its good lines, and that the material interests of all the pharmacists throughout the country would continue to be dealt with in the same fair manner as heretofore. He offered congratulations also upon the research work which had been performed. Among that work was that in which attempts had been made to get a suitable solution for khaki-colour, and he hoped that pharmacists might long enjoy the reflection of the work which had been done by that particular department. There never was a time when there was such a great demand for pharmacy. Touching upon the Benevolent Fund, he was glad to know that those in parts of the country who had not been so successful as others, and came from time to time for assistance, would be able to receive that which they might so urgently require. As an individual he appealed to the members who could afford it to give yet larger contributions to that most important and useful Fund. He wished to offer his tribute to the Council for their ready acceptance of and mature consideration given to the resolutions submitted to them. There were a large number of problems vitally important to the status of pharmacy to-day, and he felt convinced that the members might lay the unction to their soul that everything would be done by the Council to give consideration to the claims which might be laid before them. He would like to see a quickening in the organisation, and that their Secretary would be able to place his finger on the pulse of pharmacy and know what the feeling of it really was from Berwick-on-Tweed to Land's End. He would like to see a larger membership, and that they were in a position to approach any public department or department of the Government and obtain anything which pharmacy, as a collective organisation, might require.

Mr. Fairweather said he would like to see an absolute divorce of prescribing from dispensing, and further to get an Act or some Regulations passed so as to prevent a particular place from handling drugs or dispensing medicine, unless such place was managed by a pharmacist. (Hear, hear.) A benevolent Government ought not to decline to accede to such a reasonable request. An occasion might offer itself after the war, and he hoped the Council would be on the watch and make use of that occasion instantly.

Mr. Henry Ayre (Poole) remarked that with regard to the financial portion of the report, he would like to see their investments written down to their present value. If they had a balance-sheet on that principle it would be sounder and better, in his opinion, in every way.

Mr. Young called attention to a speech once made by Mr. Lloyd George when he referred to Friendly Societies, where a certain sum only was to be paid to the medical man, which was to include the medicine supplied, and as to which Mr. Lloyd George said, "Doubtless the Societies would be able to drive as good a bargain in the future as they had done in the past." That utterance sent a cold shiver all over him. If the same bargain was going to be repeated with the pharmacists as it was with the doctors the profession would be placed in a very bad condition indeed.

Mr. Knight criticised the manner in which the report had been drawn up, the same wording being used year after year. It seemed to be nothing but a case of "seissors and paste." (Laughter.) He thought there had been very little alteration during the past sixty years, and had not been altered so as to meet the exigencies of

the case. He complained about the high prices of spirits and drugs and the introduction of tablets, and urged that some agitation ought to be made with regard to extra duty being put upon patent medicines.

Mr. Williamson (Shields), referring to the composition of the Council, said it was absolutely necessary to have the best men in power, and if the best were to be found in London then they must have them. Territorial representation ought not to allow people to be carried away.

Mr. Bates (Manchester) said he desired to add his quota to the satisfaction expressed at the manner in which the business had been carried on in the past. He advocated a recognised curriculum, so that they were a thoroughly recognised body when they went before a Government Department and made an offer to undertake certain work.

Mr. Ewell (Dover) said he considered the statement in the report under the heading "Organisation," that the Conference elected the Executive Committee, was not correct, and that it should be rectified on a future occasion.

Mr. Hancock (Weymouth) expressed his pleasure that the question of an improved system of education had not been shelved, but had merely been put on one side for a time. They certainly did not want to see pharmacists bring up the rear. If they were not brought up to the status of modern science and thought they would not make successful progress. A tremendous field was open before them if they only recognised and worked for it.

Mr. Yates (Brighton) complained of the manner in which unqualified men in military hospitals were allowed to act as dispensers. In many cases the dispensers were non-commissioned officers, and men after only a few days' employment in a chemist's shop were allowed to mix up solutions, which should be really embraced in the duties of a fully qualified man. There were, he also complained, many properly qualified chemists in the R.A.M.C. who were never given rank. Apart from that, however, it was only right that sick soldiers should have the very best medicine, and that could not be given unless by a man of experience. (Hear, hear.)

Mr. Cherry was very glad to hear they were likely to get a curriculum. He reminded the meeting, however, that the Bill which professed to allow the Society a curriculum was proposed in 1908. But nothing had been done up to now, 1916; and if it was shelved for another eight years, why, some of the older members of the Society would have passed into the beyond. (Laughter.) Besides, he thought the wheels of the Society rolled round uncommonly slow, although he might concede that, though slow, they were at the same time sure. He hoped the Society was sufficiently strong to get the matter carried through without further delay. Touching upon the subject of remuneration, he thought it was disgraceful. (Hear, hear.) He did not see why they ought to accept remuneration on a scale that even a cabdriver or a sweep would refuse. With a proper curriculum and proper education the Society would get the recognition to which it was entitled.

Mr. Brumwell complained of the deplorable want of knowledge of bookkeeping among the profession. A pharmacist was one who set out to obtain a living, but he could not make an honest one unless he was prepared to keep his books properly.

Mr. Hopley (Chester) advocated the publication of the "Register" on different lines; that it should not only show the name of every firm, but should also be made of real commercial value—e.g., by putting in telephone numbers.

Mr. Breese advocated territorial representation, and argued that until the Council obtained that there would not be a properly constituted Council.

Mr. Evans (Liverpool) regretted that the "Journal" belittled the examinations of the Society.

Mr. Kirkpatrick advocated that the "Journal" should be more explicit and give information as to what the individual members of the Council had been doing during their term of office. Then the members would be able to make up their minds as to who they should vote for when the time arrived.

Mr. Gibson said the registration question was a very serious one, and argued that it was grossly unfair to young men who, on returning to this country after the war, might find their places usurped by people who had only received a few months' training. He hoped active steps were being taken to see that claims by unregistered people were not accepted.

Mr. Pitchford (Preston) complained that chemists took apprentices who were not able afterwards to take qualifications, and, further, that the hours of labour were too long to attract the right men.

The President, having remarked that a very full discussion had taken place, put the motion, and it was carried unanimously.

TRADE INTERESTS.

The President then called upon Mr. A. H. Jenkin to move the motion of which he had given notice:

That this general annual meeting of the Pharmaceutical Society recommends the Council to prepare and submit a scheme to a Conference of all the Local Associations for setting up a Committee capable of dealing with all the trade interests of pharmacists.

Mr. Jenkin, in moving this, stated that, although the Local Associations Executive had been recognised as a Trade Committee by the resolution of the Council in January, its functions were watered down when it came to the question of the regulation of prices. It was stated that the Proprietary Articles Trade Association is the body to deal with price-regulation. It may be that the P.A.T.A. is able to deal with this matter better than any other body, but he wished to make it clear that the Committee should retain its power to deal with all trade matters. He contended that it is by increasing its pecuniary rewards that pharmacy can be made more attractive and its status raised.

Mr. Cussons (Dorchester) seconded the resolution, and reminded the meeting that a similar resolution had already been agreed to by the Local Associations Executive, the greater part of whose members are Councillors.

Mr. H. Wippell Gadd (Exeter) then proposed the following amendment:

That, having regard to the fact that the whole question of trade matters is on the agenda for full consideration at the Conference to be held to-morrow, to which duly accredited delegates have been appointed especially to discuss and vote upon these matters, this annual general meeting of the Pharmaceutical Society declines to prejudge the issues or to bind the Council as to any particular course of action until the recommendations of the Local Associations Conference are formulated.

Mr. Gadd said he had been unable to gather from Mr. Jenkin's speech what it is he wants, and he thought it hardly fair to anticipate the considered statement which the President is going to make on the matter on Thursday. It is a subject which is far better considered by the Conference.

Mr. T. Maltby Clague seconded the amendment, which he said is a statesmanlike way out of a difficulty.

Mr. F. H. Bowden said he could not see why members should be so keen on dragging the Council into trade matters. Such an attitude is incompatible with professional claims made by previous speakers.

Mr. Hugo Wolff supported the amendment, but remarked that although the Society objects to regulate the prices of proprietary articles, it actually did so when it considered the question of the duty on patent medicines.

Mr. C. Thompson suggested that it might be arranged that the Proprietary Articles Trade Association and the Chemists' Defence Association should take charge of the proceedings of the Conference when guidance is wanted on proprietary articles and trade matters.

The President then put the amendment to the meeting, when it was carried by a large majority, only four or five voting against it.

AUDITORS ELECTED.

The President then proposed the election of the following chemists as auditors: Mr. G. B. Francis, Mr. Charles Hodgkinson, Mr. W. L. Howie, Mr. F. H. Lescher, and Mr. J. C. Umney. He explained that Mr. Howie is taking the place of Mr. Boudas, who has retired. The meeting elected the auditors by acclamation.

The President announced that according to the by-laws the statutory registers of pharmaceutical chemists and chemists and druggists must be produced at the annual meeting, and that these would therefore be open for inspection at the adjourned meeting that evening.

Scrutineers were appointed for the purpose of counting the votes for the election of councillors, and the meeting adjourned until nine o'clock.

Election of Council.

The adjourned meeting was held in the Examination Hall, 16 Bloomsbury Square, London, W.C., the President in the chair. There was a large attendance. Mr. W. H. Gulliver, the chairman of the scrutineers, read his report, which stated that 7,963 voting-papers were sent out, and 4,440 were returned by voters. Of these forty-two were disallowed, and ten arrived too late, the number of papers being thus reduced to 4,383. Mr. Gulliver then read out the numbers of votes recorded, which were as follows:

White, E.	3,423
Deakin, J. W.	3,153
Hagon, A.	3,001
Skinner, H.	2,954

Parry, L. M.	2,848
Gifford, R. L.	2,682
Currie, W. L.	2,660

Gibson, W. H.	2,590
Hines, F. G.	1,757
Clark, O. A.	881

The President declared the first seven elected.

A vote of thanks was passed to the scrutineers. Attention was also called to the statutory registers.

London members of the Society received a postcard at the end of last week from Mr. Arthur H. Jenkin, Vice-President of the London County Association, which was worded as follows, and was issued from Bank Chambers, Holborn, W.C.:

Owing to the intense opposition that is being organised against London having its fair share under the proportional representation on the Pharmaceutical Council, it becomes very necessary that you should record your vote at this election. If you have not already done so, I should be glad if you would at least vote for the President of London Association, Mr. Edmund White, and for numbers 3 and 9, Messrs. Deakin and Skinner.

Conference of Delegates—Thursday.

The meeting-place on May 18 was the Crown Room at the Holborn Restaurant. The President (Mr. E. White) opened the proceedings shortly after ten o'clock, and there was a good attendance of delegates from the commencement. The President, who was supported by the members of the Local Associations Executive, began by the observation that the report of the Executive Committee, which he was about to move, should be adopted did not disclose much difference of opinion between the views of those pharmacists who insisted upon the consideration of trade matters.

There are resolutions on the agenda dealing with this subject. The Executive Committee consider that it would be useful that they should place before the Conference what they believe to be the principles which should guide the Society on this matter.

1. That the Conference and its Executive Committee being an integral part of the Society, it would be impossible for the Society to dissociate itself from its views or its actions, and that the Society would be as responsible for these as they are for the views and actions of the Council and annual meeting.

2. That the Charter provides "that the general meetings and the Council shall have the entire direction and management of the same Society in the manner and subject to the regulations hereinafter mentioned." The provisions of the Charter are binding, unless modified by an Act of Parliament. It may be that under these powers the general meeting and Council might delegate to a Committee certain functions, but it is clear that the final control must, while the law remains as it is, rest in the hands of the Council and general meeting.

3. That the Society, among other functions, is entitled under the Charter to act "for the protection of those who carry on the business of a chemist and druggist." Any project covered by this phrase may legally be undertaken by the Society. The Executive is of opinion that up to now nothing has happened to indicate that the efforts of pharmacists, through the Society, to further their legitimate interests as such have been curtailed by the want of power or inclination to deal with them by the existing organisation. They think it is fair to test the truth of this by passing and acting upon the recommendations as under, which the Executive Committee submit to the Conference.

4. That the one question which has hitherto arisen is that of price-maintenance of proprietary articles, upon which the following resolution was passed by the Executive Committee:

"That the Executive Committee, after mature consideration, concludes that as at present constituted it is inadvisable to appoint any Committee to deal directly with the prices of proprietary articles, soaps, perfumes, and foods. It further records the conviction that the P.A.T.A. is the proper body to deal with these matters, and possesses the necessary machinery."

5. That the view taken by the Executive Committee is that there are certain articles for which, even if the Society, through any part of its organisation, could arrange prices, are of such a nature that the great body of pharmacists would deplore any official recognition being given to them by the Society. There are others of such a class that there would be nothing more derogatory on the part of the Society in trying to arrange for profits on them than there is in the efforts being made with reference to the profits

on National Health Insurance work; but as to the second class of articles the question arises: Is there in fact an organisation in existence which either does or could be made to deal with this subject satisfactorily? Until the Conference decide that such a body does not exist, your Executive Committee are of opinion that it would lead to a waste of energy and confusion if the Society embarked on a price-maintenance enterprise.

The President then made a statement as to the views of the Council, which was to the effect that it is quite prepared to have referred to it any trade-matter which the Associations desire should be considered. The only question with which the Council has hitherto declined to deal has been that of regulating the prices of proprietary articles. The term "proprietary articles" covers many kinds, some of which the Society is justified in refusing to touch. Apart from that, it is felt that the Proprietary Articles Trade Association is a body specially competent to deal with price-maintenance, and the Council is prepared to put its whole weight to get that body to take up the questions raised. If the Proprietary Articles Trade Association cannot deal with the matter it will be time to discuss further ways and means.

A long discussion ensued. Mr. Skinner thought the Committee could put more "ginger" into cases where the proprietors are hovering on the brink. He hoped the Society would never touch the question of maintenance of prices. Mr. Wolff gave as an instance of the power possessed by the Conference that the profit on a well-known food had been increased in consequence of a resolution at the last Conference. Mr. Jenkin said that the President's explanation had cleared away the mists from his mind. There are, however, other trade-matters that the Proprietary Articles Trade Association cannot deal with. Mr. Gilleghan thought the remedy is for Local Associations to see that all the members in their areas join the P.A.T.A. Mr. Body asked the definite question whether it is in the power of the Pharmaceutical Society to organise a strike against the terms of payment for Insurance dispensing. Mr. Melhuish suggested that there should be a link between the Pharmaceutical Council and the Council of the Proprietary Articles Trade Association. Mr. Neatheroat agreed that a stimulus is wanted to get the P.A.T.A. to act more vigorously. Mr. Rowsell gave the point of view of the P.A.T.A., and said the Council is always open to receive any suggestions. Mr. Briggs, Mr. Clague, Mr. Jabez Jones, Mr. Gee, Mr. Pickard, Mr. Josephs, Mr. Hughes, Mr. Ferryman spoke next, and finally Mr. Glyn-Jones, Mr. Wooleock, and the President explained the matter further, and the report was adopted unanimously.

FUNCTIONS OF THE CONFERENCE.

Then followed a number of resolutions dealing with the functions, duties, and organisation of the Conference. A number were withdrawn, as the above report had covered the ground. Other motions were lost when voted upon. The following, however, were adopted:

"That the Associations be invited to submit by means of resolutions for the consideration of the Executive Committee any suggestions for the taking of suitable action by that Committee upon any matter affecting 'the protection of those who carry on the business of Chemists and Druggists'; and that at each meeting of the Conference the Executive Committee shall report upon all the resolutions so submitted to them, stating what action it has taken in regard to them, and in any case where no action has been taken, a statement of the reasons for the want of action."

"That all proposals for altering the functions of the Conference or its Executive or the relationship of those bodies to the Council be postponed until sufficient time has elapsed to enable the Conference to consider the effect of the operation of the foregoing resolution."

"That paragraph 3 in the scheme of Local Organisation be altered as follows:—'After the word "act" in line 2 insert the following words: "and such other matters as relate to the carrying on of the business of a Chemist and Druggist." The remainder of paragraph 3 unaltered.'

MISCELLANEOUS SUBJECTS.

The following, dealing with a variety of matters, were also agreed to:

POSITION OF PHARMACISTS IN THE PUBLIC SERVICES.

"That it be a recommendation to the Executive to watch over and endeavour to improve the positions of pharmacists in the Public Services and to do all they can to ensure the granting of commissioned rank to all practising pharmacists in the Navy and Army."

MEDICATED WINES.

"That the Conference should consider the question of wine licences with a view to urging the Excise Authorities to provide a right for any Pharmacist to sell medicated wines without the necessity of applying to the Licensing Justices."

"M.P.S."

"That it be a recommendation to the Local Associations' Executive Committee to consider ways and means for making the distinctive letters 'M.P.S.' better known and understood by the general public."

DISPENSING IN INSTITUTIONS.

"That the Local Associations' Executive Committee be recommended to use its best endeavours for the purpose of ensuring that dispensing in all institutions should be supervised by a Pharmacist."

PARLIAMENTARY REPRESENTATION.

"That the Associations hereby bind themselves for the purpose of promoting the candidature of at least two pharmacists to represent their interests in Parliament, and to establish the supporting fund on a sound financial basis."

GERMAN CHEMICAL-TRADE.

A few other motions were out of order, and the Conference declined to suspend the Standing Orders to admit them for discussion, except in the case of the following, which was passed unanimously:

"That it be a recommendation to the Executive Committee that they consider what means, if any, can be adopted by the craft after the war to attack the German chemical and pharmaceutical industry to the advantage of the British and our Allies."

The meeting left it to the Executive Conference to fix the date of the next meeting, provisionally naming May 1917 as the date.

A vote of thanks to the President for his conduct in the chair closed the proceedings shortly after one o'clock. After that luncheon was taken.

Scientific Progress.

Temperatures under this heading are on the Centigrade scale.

Essential Oils.—"A Critical Survey of Technical Essential-oil Analysis" is contributed to the "Journal of Chemical Technology," iii., 1, 18, by Mr. T. H. Dirrants, B.Sc., of A. Boake, Roberts & Co., Ltd. The analytical methods employed are described concisely, and particulars are given of the methods of adulteration, the author concluding with the remark that "the science of adulteration has attained serious proportions in the last decade, and the essential-oil analyst must be experienced and wide awake to cope with it, as many of the methods adopted are very insidious." To this he adds a table of adulterants.

Indian Henbane.—Mr. J. H. Barnes, agricultural chemist to the Punjab Government ("Agricultural Journal of India"), refers to the production of mydriatic alkaloids from *Hyoscyamus muticus* grown in the Punjab. He states that a recent assay of the dried plant showed 0.827 per cent. of mydriatic alkaloids, this being nearly ten times more than is contained in the English henbane. Specimens of Indian henbane have been known to contain as much as 1.28 per cent. of alkaloid, and, unlike the English species, *Hyoscyamus niger*, which contains the alkaloids hyoscyamine, hyoscyne, and scopolamine, the Indian species, *H. muticus*, is said to contain only hyoscyamine. As a source of this important alkaloid hyoscyamine Indian hyoscyamus should receive the attention of the manufacturers of fine chemicals and drugs.

"Saw Palmetto" is the title of a thesis submitted by Mr. C. A. Mann for the degree of Doctor of Philosophy of the University of Wisconsin, and published as a bulletin. It deals with Synonymy; Natural History; The Material; The Chemistry of Saw Palmetto; Moisture; Inorganic Constituents and Ash; The So-called Volatile Oil; Fatty Oil; Enzymes; Carbohydrates; Glucoside; Alkaloid. It is interesting to note that the volatile oil so-called—i.e., the mixture of ethyl esters of fatty acids, which is contained in alcoholic galenicals of the drug—is not, the author concludes, a volatile oil in the generally accepted sense of the term. Neither is it a so-called ferment oil. It is formed by condensation of the free fatty acids of the berries with ethyl alcohol, the preservative. Mere traces of volatile oil may be obtained from fresh berries, but this does not consist of ethyl esters, and it resembles oil of coconut. The enzyme lipase exists in the berry, but formation of esters can be accounted for without enzymes.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., May 18, 6.30 p.m.

COMPLAINTS of dull business continue rife in chemical and drug circles, so far as exporters are concerned, and the trading for home consumption also shows a falling-off. This lack of demand has led to a further depression in prices of a few so-called fine chemicals, and some holders who are unable to export are forcing sales. Quotations in many cases are therefore easier; this applies to the bromides, salicylates, cocaine, methyl salicylate, sulphonal, chloral hydrate, and vanillin. Phenacetin, on the other hand, is very scarce and dearer; milk-sugar is firmer. Citric acid and cream of tartar are weaker, arrivals on a larger scale having taken place. Lemon oil is easier. Several of the fixed oils, like linseed, coconut, crude cotton-seed oils and turpentine, have a weaker tendency.

Higher	Firmer	Easier	Lower
Caseara	Milk-sugar	Castor oil	Antimony
sagrada	Soya oil	Chloral	(Ch. cr.)
Phenacetin	Turpentine	hydrate	Cassia lignea
Slippery elm		Citric acid	Cocaine
bark		Cloves	Isinglass
Squill		Coconut oil	Linseed oil
Wahoo bark		Cotton-seed	Methyl
		oil (cr.)	salicylate
		Cream of	Sulphonal
		tartar	
		Lemon oil	
		Lime oil	
		Menthol	
		Salicylic acid	
		Senega	
		Soda hypo-	
		sulph	
		Tartaric acid	
		Vanillin	

Cablegrams.

BERGEN, May 18.—The cod-fishing continues below expectation; the market for finest new non-congealing oil is quiet at 710s. per barrel c.i.f.

NEW YORK, May 18.—Business in drugs is fair. Peppermint oil is lower at \$1.85. Senega is easier at 43c., and Cartagena ipecacuanha is lower at \$2.25. Balsam tolu is firmer at 38c. Gentian has been reduced to 24c. Oregon fir balsam is dearer at 80c., and arnica-flowers are lower at 75c. per lb.

ACETIC ACID continues extremely scarce, the value of 80-per-cent. commercial being 175s. and 70-per-cent. 140s. per cwt. Glacial, 99 to 100 per cent., is now quoted at 250s. per cwt., but supplies are still short.

ACETYL SALICYLIC ACID is unchanged; the demand appears to have fallen off somewhat, the probability being that the high price has affected the consumption.

ALBUMEN.—Chinese hen is in more inquiry, the value of good being from 2s. 10d. to 3s. per lb.

AMMONIA SULPHATE is dull at 15l. 15s. per ton net naked at works in London for 25-per-cent. ammonia for prompt delivery. Hull prompt (24-per-cent.) is 16l. 10s., Liverpool is 16l. 15s., and Leith is 16l. 15s. per ton, less 3½ per cent. in bags f.o.b.

ANISE OIL (STAR).—Quiet, with "Red Ship" brand offering at from 3s. 5½d. to 3s. 6d. on the spot, and May-June shipment at 3s. 5½d. c.i.f.

ANTIMONY.—Chinese crude is obtainable on the spot at 80l. per ton, being cheaper.

ARSENIC.—The position is again firmer owing to the small supplies obtainable from Cornwall and the falling-off in

shipments from U.S.A.; 35*l.* per ton is now asked for spot parcels of best Cornish powder.

BENZALDEHYDE is more freely offered at from about 25*s.* per lb.

BERGAMOT OIL is quoted at from 15*s.* to 16*s.* per lb. c.i.f., and at from 14*s.* 9*d.* to 16*s.* on the spot.

BLACK HAW bark of root is offered at 1*s.* 2*d.* on the spot.

BROMIDES.—The substantial reduction announced in our last issue has left the market with a weak undertone, and with dealers shading prices most buyers have temporarily withdrawn. There is no indication, however, that there is going to be a slump in prices, and although the production of bromine has increased in the United States, it is unlikely that American makers will indulge in any fierce competition, preferring, if possible, to work in agreement. The English makers quote 18*s.* 6*d.* for potassium, 15*s.* 6*d.* for sodium, and 19*s.* for ammonium, and dealers in some instances quote a trifle less.

CACAO-BUTTER.—At auction 500 cases Fry's sold at from 2*s.* 3½*d.* to 2*s.* 3¾*d.* (one lot 2*s.* 3¾*d.*).

CAMPOR (REFINED).—Japancso refined continuous firm, with sales of 100 cases of slabs on the spot at 1*s.* 8*d.* and near at hand is offered at 1*s.* 7½*d.* c.i.f.

CASSIA LIGNEA.—At auction 400 cases sold at 50*s.* per cwt. for whole selected, being lower.

CASTOR OIL.—Very fair arrivals of Calcutta oil are taking place; the value of good seconds Calcutta in Liverpool is 4½*d.* to 5*d.* per lb. English medicinal quality is selling at 65*s.* per cwt., and first pressing at 57*s.* 6*d.* on the spot.

CHAMOMILES.—The value of good white French on the spot is about 145*s.*, and fair 125*s.* per cwt.

CHILLIES.—At auction 40 bags fine red Japanese were bought in at 140*s.*

CHLORAL HYDRATE is offered at 10*s.* per lb. for crystals in bond; some fairly large orders have been placed lately.

CITRIC ACID.—Owing to larger arrivals market is the turn weaker at 3*s.* 11*d.* on the spot.

CLOVES.—At auction 100 bales Zanzibar sold without reserve at 6¾*d.* per lb. for dark; of 65 bags Amboyna, 33 sold at 10½*d.* for fair, good bright being bought in at 1*s.* Privately, spot sales of Zanzibar have been made at 6½*d.*, and to arrive, March-May shipment, 6½*d.* c.i.f. d.w. has been paid; sellers of June-August delivery quote 6½½*d.*

COCAINE is weaker in the absence of demand, holders asking 24*s.* 6*d.* per oz. less 5 per cent. for hydrochloride. As no large quantities of cocaine are being offered from abroad, it is thought the position will improve when orders are more plentiful.

COCHINEAL.—Although the present stock is over a thousand bags, holders still ask 4*s.* per lb. for genuine black.

COD-LIVER OIL.—Our Bergen correspondent writes on May 8 that during the past week the Finmarkon cod-fishing gave small results, but to-day the reports are better. The official report gives the following totals for all our codfisheries up to May 6:

	1913	1914	1915	1916
Catch of cod (millions) ...	57.8	64.5	55.2	42.5
Yield of c.l.o. (hect.) ...	36,000	48,000	45,000	51,000
Liver for "raw" oils (hect.) ...	7,600	9,100	7,600	4,700

Little business is being done at about 710*s.* per barrel c.i.f. for finest non-congealing. Spot holders find it very difficult to effect sales of Norwegian in London even at a substantial reduction on the nominal rates. It is possible to buy a good oil (1914-15) at 550*s.* per barrel ex wharf, and to-day we hear of an offer to sell at 475*s.* Large sales of Newfoundland non-freezing, of this year's refining, have been made to Canada and United States at 550*s.* per barrel of 25 gals. f.o.b. Newfoundland. For a well-known brand 600*s.* per barrel c.i.f. United Kingdom, war risk extra, is required for the small quantity available. From all accounts the U.S.A. is buying all the available Newfoundland oil.

CREAM OF TARTAR.—The demand has not been quite so good, the high prices having induced an extended use of substitutes; 98-per-cent. powder can be had at 200*s.*

ERGOT.—Although a good stock is available on the spot, the export of the crude drug is still prohibited to all destinations, and the quantities allowed to be exported under licence are severely cut down. Prices are therefore likely to remain on the easy side.

FORMALDEHYDE.—Sales to arrive of 40-per-cent. have been made at 100*s.* per cwt.

GINGER.—At auction 288 bags Cochin offered, and 123 sold, including good bright new washed rough at 47*s.* 6*d.*; 16 cases dull wormy unsorted native cut were bought in at 51*s.*, and 45 bags limed Japanese at 45*s.*

GUM ACACIA is firm, with Kordofan sorts offering at 67*s.* 6*d.* on the spot, and May-June shipment at 65*s.* c.i.f.

HONEY.—Rather larger quantities of Jamaica are expected to be on offer at the next drug-auction. The sales in Liverpool include 500 kegs Chilian at 40*s.* per cwt. c.i.f. to arrive.

HYDROQUINONE.—Sales in quantity are reported at 32*s.* 6*d.* per lb.

IPECACUANHA.—The Siddons has brought 167 bales to Liverpool from various South American ports.

ISINGLASS.—At auction 465 packages offered, of which the bulk sold, with a slow demand, at generally lower prices.

KOLA.—The bulk of the lots offered recently have been cleared, including fair bright West Indian at 6½*d.* per lb. and dull African at 6*d.*

LEMON OIL is rather weaker at from 3*s.* 9*d.* to 4*s.* on the spot, and at 3*s.* 3*d.* to 3*s.* 4*d.* c.i.f. A Sicilian report, dated May 6, states that since our last, after a period of firmness, the local demand ceased, while the demand from abroad was also unimportant. This caused a weakness, and it has been possible to buy at lower prices than those on which we based our last quotations; on the other hand, the decline in rates of foreign exchange has been accentuated, and also freights and war-risk premiums have advanced heavily. In c.i.f. prices in foreign currencies those latter factors practically counterbalance the decline in our local market.

LIME OIL is a trifle weaker, fair West Indian distilled offering at 8*s.* 6*d.* net, and hand-pressed is nominal at 9*s.* 6*d.* to 10*s.*

LIQORICE-ROOT.—The spot value of common natural is about 55*s.* per cwt.

MANDARIN OIL.—The present value of genuine oil of direct import is from about 28*s.* to 30*s.* per lb. on the spot.

MENTHOL is weak, with stuff afloat offering at 12*s.* 3*d.* c.i.f., against a spot value of 12*s.* 6*d.* per lb. Fair arrivals continue to take place.

METHYL SALICYLATE.—Continental makers are cutting prices somewhat, and it is possible to buy at 13*s.* to 13*s.* 6*d.*

MILK-SUGAR is firmer at 130*s.* per cwt. for good Dutch on the spot.

MINT OIL.—The spot value of Japanese (Kobayashi-Suzuki) is 4*s.* 2*d.* to 4*s.* 3*d.* and 3*s.* 9*d.* c.i.f.

OILS (FIXED).—*Linseed* is lower at 35*s.* 3*d.* in pipes and 36*s.* 3*d.* in barrels on the spot; May, 35*s.* 6*d.* *Cottonseed* is quiet at 45*s.* 3*d.* for crude in pipes, 49*s.* 6*d.* for refined in pipes, and from 54*s.* to 55*s.* for sweet refined in barrels—all on spot. Ceylon *Cocunut* is dull and easier: 59*s.* 6*d.* in hogsheads and 57*s.* 6*d.* in pipes, both on spot; Cochin is 59*s.* 6*d.* to 61*s.* 6*d.* on spot, and London pressed is 47*s.* 6*d.* Ordinary brown crude naked *Rape* is 49*s.* on spot; British refined in barrels is 52*s.* to 53*s.*; Japan in cases is at 41*s.* c.i.f. afloat. *Soya* oil is firmer at 37*s.* 6*d.* for Manchurian in cases to arrive, and 37*s.* 6*d.* for April-May; Hull (spot) extracted is 40*s.*, and crushed 40*s.* 6*d.* *Lagos Palm* is 46*s.* 6*d.* spot, and in Liverpool 37*s.* is quoted nominally. *Ground-nut* oil, 55*s.* to 60*s.*; *Lard*, 65*s.* to 85*s.* per cwt.; *Seal* oil, 42*l.* to 49*l.*; *Whale*, 36*l.* to 45*l.*; bright *Sperm*, 50*l.* to 54*l.*; *Cod*, 39*l.* to 42*l.*; *Olive*, 53*l.* to 59*l.* per tun; *Neat's foot*, 4*s.* 6*d.* to 5*s.* 10*d.* per gal.

OPIMUM is a dull market, with prices as given last week.

ORANGE-PEEL sells in small lots at from 1*s.* 9*d.* to 1*s.* 11*d.* for thin Tripoli strip, as to quality.

ORRIS.—Shipments from Italy for some time past consist of practically one grade only—i.e., sorts—the spot value of fair Florentine being about 56*s.* per cwt.

OXALIC ACID.—Supplies are still short, but the demand is limited; from 1*s.* 8½*d.* to 1*s.* 9*d.* is quoted.

PHENACETIN.—The scarcity is so far unrelieved, and up to 72*s.* to 73*s.* per lb. net has been paid, but 75*s.* to 80*s.* now appears to be the lowest.

POTASH CHLORATE.—For chemically pure crystals 3*s.* is quoted in small lots.

POTASHES.—First Government brand of Montreal is offered at from 195*s.* to 200*s.* per cwt.

QUININE.—The second-hand market remains very quiet, and it would be possible to buy sulphate of the usual brands at from 3*s.* 2*d.* to 3*s.* 3*d.* per oz.

SACCHARIN has been in good demand for export. The home-trade price for 550 strength is about 110*s.* per lb.

SARSAPARILLA.—Quiet, with grey Jamaica selling at 1*s.* 11*d.* from dealers, fair Lima-Jamaica 1*s.* 7*d.*, fair native red Jamaica 1*s.* 2*d.*, and Mexican 9½*d.*, all spot.

SALICYLATES.—Holders of American salicylic acid (U.S.P. quality) still ask 18*s.* to 19*s.* net, but English make, which is offered more freely, can be had at 17*s.* net. Sodium salicylate of U.S.P. quality is quoted at 18*s.* 6*d.* net.

SENEGA is a trifle easier, spot offering at 2*s.* 1*d.* per lb. net.

SENNA.—About 1,300 bales of Tinnevely are available, so that a fair quantity may be offered at the next drug-

sales. Meanwhile extreme prices are being paid by consumers, including 8½d. for common jungle leaf. Whole Alexandrian leaf is offered at 1s. 3d., good siftings at 7½d., and pods, which are scarce, at 2s. 10d.

SERPENTARY.—The spot value is 1s. 9d. net.

SHELLAC is steady, but quiet, usual TN quality offering at 92s., good 93s.; and fine 110s.; fine Orange is 120s. to 125s., AC Garnet 89s., and GAL 85s. The sales for delivery include August at 93s. 6d. to 96s.

SLIPPERY-ELM BARK is considerably dearer and scarce on spot, 9½d. per lb. being asked.

SODA HYPOSULPHITE is firm, in view of the increased American freights. Pea crystals offer at 17l. per ton on the spot.

SQUILL.—With exports from Italy prohibited and orders for American account having been placed in London, spot prices have advanced to 80s. per cwt. for white, which has been paid.

SULPHONAL is offered at the lower rate of 34s. per lb. net.

SULPHUR is steady at 12l. 10s. per ton for Sicilian flowers and 11l. 10s. for roll, ex wharf London.

TANNIC ACID.—Owing to the high cost of freight from U.S.A., which works out at about 6d. per lb., the price has advanced to 4s. 9d. to 5s. per lb. for *levis*.

TARTARIC ACID.—Stocks are not moving off quite so freely, and prices are slightly easier at from 3s. 9d. to 3s. 10d. per lb.

TURPENTINE is easier on the week, American closing at 42s. per cwt. on the spot. French is 41s., and Russian ordinary and rectified 41s. 6d. per cwt.

VANILLIN is easier at from 38s. to 40s. per lb. for 100-per cent. pure from clove oil, as the result of competition among dealers.

WAHO.—Holders on spot ask 1s. 9d. to 2s. per lb. for bark of root, being dearer.

Arrivals of Chemicals, Drugs, etc.

THE following is a selection of arrivals during the period May 3 to 16 inclusive, in the English ports named. Goods in transit are not included. The figures refer to the packages—*e.g.*, cases, bags, barrels, boxes, kegs, etc. The weights, when known, are specified:

To London.		Honey (Fr.) 30 brls.,	
Acetic ac. 4	Chillies (Jap.) 185,	(Calif.) 530 cs.,	
Acetic anhydride 10	(E.I.) 284	(N.Y.) 427 cs.	
Agar-agar 510	Chloral hyd. (N.Y.)	Hydrog. perox. 150	
Albumen 24	34	Indigo (Ch.) 12,	
Alcohol (U.S.A.) 403	Cinchona 720	(E.I.) 387	
dms.	Cinnamon 172	Lactic ac. 42	
Aloes 210	Citric acid (Palermo)	Lemon-jn. 49 pps.	
Alum 260	655 cks., (Mel-	Lemon-gr. oil 13	
Alumina sulph. 189	bourne) 80 kgs.	Lime-juice 44	
Ammon. nit. 235	Cocoa-butter (N.Y.)	Lime oil 7 cs.	
Anise oil (Ch.) 25 cs.	20	Linseed (E.I.) 71,210	
Annatto 14	Coconut oil 607 pps.	bgs.	
Antim. ore 11,790	523 cks. 6,050 cs.	Liquorice 13 cs.	
Apricot-kern. 634	112 pkgs.	Liquorice-root 78	
Argol 628	Copra 51,960	Listerine (N.Y.) 550	
Bay-rum 2 cs.	Corros. sub. (It.) 60	es.	
Belladonna-root 7	Cumin-seed 164	Manna 2 cs.	
bls.	Cream of tart. (Sic.)	Menthol and oil 310	
Benzoic ac. 8 cs.	52 cks., (Genoa) 40	Milk-sugar (N.Y.)	
Benzoil 24	brls., (Fr.) 85	150	
Calc. acetate 5,000	Cyanamide 2,040	Mustard-seed 1,230	
eks.	Dextrin 35	Niger-seed 340	
Calc. borate 5,146	Dragon's-blood 14	Nux vom. 3,194	
Calc. carbide 2,269	Drugs (Fr.) 19,	Oils, fixed: Arachis	
Calc. chlor. 34 dms.	(Brisbane) 46 cs.,	3,700 cks., cod 32,	
Calc. citrate (W.I.)	(Adelaide) 66 cs.,	colza 25,005, cotton-	
9, (Sic.) 345 cks.	(Fremantle) 97 cs.	seed 1,700, fish	
Camphor ref. 1,193	Ergot (Sp.) 8	10,500, nut 1,731	
Canary-seed 6,142	Essent. oils (Fr.) 50,	cks. 610 dms., seed	
Cannab. ind. 10	(Ch.) 40, (Sic.) 274	290, shark 2,000,	
Capsicums 80	pkgs. 130 cs., (Sp.)	soya 15,922, tea	
Caraway oil 20 cs.	16 cs. 2 dms.	300, wood 110 dms.	
Caraway-seed 213	Euphorbia pil. (E.I.)	1,960 cs.	
Cardamoms 361	9 bls.	Olibanum 233	
Cascara sag. 135	Face-creams (N.Y.)	Olive oil (It.) 15 es.,	
Casein 796	200 cs.	(Sp.) 1,062 brls.	
Cashew-nuts 115	Farina 250	45 cs. 17 dms.	
Cassia-bark 725 bls.	Fenugreek 1,103	Opium (B'bay) 147	
4,850 cs.	Florida-water (N.Y.)	400	
Cassia-buds 200	40 pkgs.	Orris (Mog.) 8	
Cassia oil 10	Formaldehyde 165	Palma-rosa oil 8 pots	
Castor oil (Kobe) 500	Gallangal 100	Papain 41 es.	
cs., (It.) 60 cs.,	Galls (Ch.) 519	Pepper 7,587	
(E.I.) 1,175 cks.,	Gamboge 10	Perfumery (Fr.) 34,	
655 cs.	Gelatin 19 cs.	(R'dam) 60	
Castor-seed 6,147	Ginger (Jap.) 70,	Potash iodid 20	
Cellulose acet. 31	(E.I.) 659	Potash perm. 7 dms.	
Chem. prod. (Paris)	Glycerin 198 dms.	Quinine (Amst.) 95	
55	Glyco-thymoline 383	cs.	
Chemicals, medi-	G. acacia (B'bay)	Rhubarb 40	
cines, perfumery,	427, (Fr. Said) 96	Roots, barks, herbs,	
etc. (N.Y.) 1,792	G. kauri 1,060	etc. (Fr.) 118 bls.,	
pkgs., (Fr.) 104		(N.Y.) 100	

Safflower 63
Saffron 1 cs.
Sal acetos 45
Salicylic ac. (N.Y.)
25 kgs. 40 brls.
Saltpetre 12,557
Sanatogen (Aus-
tralia) 357 pkgs.
Sandalwood 392
Senna (Fr. Said) 52,
(C. Town) 30
Shellac 3,962; button
251; garnet 301
Soda bicrom. 9
Soda nitrate 49,142
Soy 100
Sticklac 243
Sulphur 15,952
Tamarinds (Barb.)
730, (E.I.) 136
Tannic ac. 20
Tartar (Sic.) 48
Tartaric ac. (It.) 100
Turmeric 1,718
Urea 6 cs.
Vanilla (N.Z.) 26 cs.
Wax, bees' (Natal,
etc.) 57, (Fr.) 51,
(Mor.) 35, (R'dam
100 cs., (It.) 13,
(E.I.) 68, (Port.)
262, (Egypt) 31
Wax, veg. (Jap.) 200

To Liverpool.

Acetic ac. (St. John
N.B.) 75 brls.,
(N.Y.) 65 brls.
glacial
Albumen 66
Alcohol gr. 140, wood
326 dms.
Ammon. nit. 93
Anhyd. amm. 435
Annatto 100
Antim. ore 13,648
Arachis oil 3,096
Balsams (N.Y.) 70
Barytes 2,000
Borax 2,143
Calabar b. 3
Calcium chlor. 77
Canary-seed 1,579
Casein 223

To Manchester.—Acetic ac. 726 brls.; ammon. nit. 158; antimony salts 11 cs.; arachis oil 150 cks.; carb.-ac. gas 72; cream of tartar (It.) 48 brls.; drugs (N.Y.) 268 pkgs.; formaldehyde 14; hexamine (N.Y.) 24 dms.; lead acetate 181; linseed 16,856; medicines (Boston) 1,109 cs.; milk-sugar (N.Y.) 22 brls.; olive oil (It.) 256 bxs.; potash caustic 41 dms.; pyro. acid 10 cs.; sassafras-bark 24; soda acetate 125; soda phosph. 25; tartar emetic 19 cs. **To Falkstone.** Essent. oils (Fr.) 88 pkgs.; perfumery (Fr.) 193 pkgs. **To Goole.** Essent. oils (Fr.) 13 cs. **To Grimsby.** Chemicals (Fr.) 10 cks.; colours (Fr.) 191 pkgs.; dyes (Fr.) 633 pkgs.

German Dyes for America.

In its issue of April 24 "The New York Oil, Paint, and Drug Reporter" state that "Germany has agreed to permit 15,000 tons of dyestuffs to be shipped to the United States for the use of American manufacturers whose business has been threatened with extinction. Great Britain has already agreed to permit the shipment to reach this country without molestation. Count von Bernstorff made the decision known in a communication to Secretary Lansing." In the following week's issue (May 1) our contemporary states: "No hope is entertained in Government circles in Washington of any immediate success in the matter of bringing any part of the 15,000 tons of German dyestuffs offered by the German Ambassador, Count von Bernstorff, into the United States." The first statement is obviously incorrect and of a grossly misleading character, and it passes comprehension as to why it should have been published. It is exceedingly doubtful if Germany has 15,000 tons of dyes to sell—moreover such a quantity would last America for many years.

West Indian Lime-juice.

The "Agricultural News" reports that 41 casks of concentrated lime-juice were shipped from the Government lime-juice factory in St. Lucia up to December 1, and 15 awaited shipment, making a total of 56 casks against a total output of 43 for last season. At the time this information was received the bonuses due to vendors were being sent out. Some trouble was experienced in getting the peasants to come forward with their vouchers and receive the sums due to them. As the principle of profit-sharing becomes better known this difficulty among the peasants will gradually disappear.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Daylight Saving Bill.

Mr. S. T. Nicholson (Hon. General Secretary, National Chamber of Trade) writes objecting to shopkeepers keeping open an hour longer in the evening after Sunday, as has been suggested. He hopes the public at large will discourage any movement in any quarter that tends to rob any member of the community of the benefit the Act is intended to bestow.

[We may point out that the Shops Act conditions will apply, and that seven o'clock to-day means seven o'clock next week, although the latter is actually 6 + 1. Where an order specifies a time for closing, shopkeepers must follow the latter principle.—EDITOR C. & D.]

A Disclaimer.

SIR,—In last week's issue of THE CHEMIST AND DRUGGIST I note you mention a meeting of the Bradford chemists. I also read that they have called the attention of the Pharmaceutical Society to a Directory which classes unqualified men as "chemists." They also infer that this insertion has been paid for, hence a ground for prosecution. I being unqualified and owner of a drug-store in this city, I suppose I am included in this affair; therefore I should like to inform those responsible for these remarks that it is not so in my case, and anyone who has given my name as "chemist" to be inserted has done so on his own authority, and, as regards payment, I should like proof of such. I may also add that with the trade I do I am quite happy and content to be called a common drug-store man, despite the poison and Insurance dispensing allotted to the chemist.

Bradford.

THOMAS BONELL.

Women Pharmacists.

SIR,—The remarks by "Xrayser II." in regard to women pharmacists are interesting. It is rather news to find women held up by implication as—well, equal "to us" in business ability! My opinion on the matter of women pharmacists is that they lack and fall short in the matter of assurance. Centuries of semi-repression are not to be forgotten all at once. Against whom are they contending—men of great business capacity? Very rarely can this be the case. The average assistant is far from being a formidable person. What he knows is nothing great, and what he does not know would fill the earth. The woman pharmacist is likely to know, I think, considerably more than her male *confrère*. The fundamental mistakes she makes are two—firstly, she is not sufficiently self-assertive, and, secondly, she holds herself too cheaply. I can understand anyone, woman or man, taking a modest salary from a private chemist of repute, but why anything but the best from a company or store I do not understand.

Yours, etc.,

May 15.

MENS SANA. (220/17.)

"He Played the Game."

The news of the death of Mr. David Henderson (C. & D., May 13, p. 45) on service has caused deep sorrow among Glasgow pharmacists, and especially in Athletic Club circles, where Mr. Henderson was a well-known and much-respected member. He was perhaps the most accomplished player in the Golf Section, and his cheery presence will be greatly missed.

Manly and bright, of mind and body clean,
Alert at business, and at play the same,
In friendly match or competition keen
He played the game.

His brave life ended! Stilled the cheery laugh.
Somewhere in France he sleeps with honoured name,
God rest him! and be this his epitaph:
"He played the game." G. (216/64.)

The "Usual Courtesy."

A Home County Pharmacist (221/46) writes: "I beg to express my appreciation of your usual courtesy and valuable assistance in one's business difficulties, which I have proved whenever having occasion to apply to you."

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Turpeth

(more correctly turbith), about which one of your readers inquires, is one of the drugs the identity of which was long uncertain and in much dispute. The name has been given to several distinct plants. *Thapsia* (a native of Thapsus) was known as *Turpethum Cincritium* and *T. Griseum*; Clusius thought it the turbith of Mesue, and it was so called in France and Spain. *Tripolium* (sea starwort) was called Serapion's turbith; and *Globularia Alatum*, the leaves of which in decoction are used as a purgative, has been called Montpellier turpeth. Gerard says that in the East the name turbith appears to have been given to any "milky root that doth strongly purge flegme." The true turbith, however, has now for centuries been known to be *Ipomœa Turpethum*, formerly called *Convolvulus Turpethum*. It is not the root of this plant (a native of India and Ceylon), but that of *Ipomœa simulans*, that we know as Tampico jalap. It received its botanical name, I believe, from Daniel Hanbury; in Mexico it is called "Purga de Sierra Garda." Turbith was never of very much importance in our materia medica, but it was a principal ingredient in the "species diaturbith cum rhabaro" of Schroeder, once a good deal used in foreign practice.—Xrayser II.

May 21, 2.15 a.m.

When should I ask for a rise,
Or "prop." to the girl of my choice?
When should I list to the lies
The "Maily D." chooses to voice?

When offer to lend to a pal,
Or be surety for one who doth borrow?
When promise to "take on" "Our Sal"
A comrade-in-arms leaves in sorrow?

You know what I mean when I say
Such things MAY be done and with power
When "Summer-Time Act" brings in play
An oblivious grace of ONE HOUR!

Appointments you don't want to make,
If you're shrewd, you'll fail not to fix;
As DAYLIGHT is clear will the fake
And the subtlety be of such tricks!

A. E. W. (217/65.)

They Like it.

"Every year the C. & D. has proved more and more valuable, and during the present crisis a very reliable guide to buyers." So says a *Birkenhead Chemist* (42/24).

"I should be very sorry to be without the C. & D. I go right through it, including the advertisements, and always find something of interest and instruction."—L. H. S. (44/1).

Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1916, beginning on page 341.

Max (215/60).—Contractors to Insurance Committees for the supply of drugs and surgical appliances are entitled to supply and charge for mixtures of the British Pharmacopœia, but they are not allowed dispensing-fees.

Salol (221/56).—"Blood and Skin Mixture" and "Chest and Lung Syrup" are not *per se* dutiable descriptions of medicines. Read "Body Names" in the C. & D. Diary, p. 248.

Wontal (215/23).—If the person whom you name is carrying on his late father's business under trust, the conditions are defined by Section 16 of the Pharmacy Act, 1868, and Section 3 (2) of the Poisons and Pharmacy Act, 1908, for which see the C. & D. Diary, p. 344. The estate must be under trust, and the executors alone are permitted to carry on the business.

M. P. S. (222/63).—Your "blood-mixture" label does not create liability, but the embrocation one does, because it is "for the relief and cure of rheumatism, lumbago, sciatica, neuralgia, quinsy, sprains, bruises, stiffness, swollen joints, etc." You as a registered chemist are entitled to the exemption for known, admitted, and ap-

proved remedies, as by indicating the "P.F." number if a formula for the embrocation is printed thereon.

Euthymol (47/10).—It is the General Medical Council that registers students of medicine, and the condition applicable to the professional examinations of all licensing medical bodies is that no person shall be admitted to any professional examination until he has passed a Preliminary examination (similar in nature to that prescribed by the Council) and been registered as a medical student. No body exempts pharmacy students from the Preliminary examination, but in some cases the conditions are modified just now owing to the war, and in respect to pharmaceutical chemists.

Miscellaneous Inquiries.

T. S. & M. (207/17).—DIABETIC MARMALADE.—We have not a working recipe for this, but on previous occasions we have suggested that after a few experiments a chemist would be able to produce a passable confection. The oranges are peeled and the peel infused in boiling water, and strained, a few finely shredded pieces of peel being reserved for adding to the marmalade. The orange-pulp is rubbed through a sieve and mixed with the juice. Gelatin is soaked overnight in the orange-peel infusion and dissolved by heat, adding to it the orange-pulp and juice. Saccharin is added sparingly before the marmalade is allowed to cool. The points to settle are the amounts of gelatin and saccharin necessary for the purpose. The marmalade will also require the addition of salicylic acid to prevent the formation of moulds.

H. G. W. (220/36).—We have sent your remark to "Xrayser II."

L. S. B. (220/65).—There is a good deal about MANGE in "Veterinary Counter-practice," and as regards horses it says: "No better preparation will be found than the following, which may be applied twice a day for a short time, and afterwards once a day:

Black sulphur	...	...	4 oz.
Powdered white hellebore	...	...	1 oz.
Turpentine	...	...	1 to 4 oz.
Linseed oil to make	...	...	24 oz.

When a milder treatment is required, mercurial ointment or sulphur ointment, or a mixture of sulphur, tar, and linseed oil, may be tried. Another good formula is a mixture of 1 part each of commercial cresol, soft soap, and turpentine, with 17 parts rape or linseed oil."

T. M. (202/44).—THEATRICAL GREASE-PAINTS.—The following are modern formulæ for grease-paints in stick-form, which we have not previously published:

I. Red. (Basis)			
Cacao-butter	...	...	400 grams
White wax	...	...	400 grams
Olive oil	...	...	200 grams
(Colour) Carmine	...	...	20 grams
Ammonia solution (10-per-	...	...	...
cent.)	...	...	40 c.c.
(Perfume) Rose oil	...	...	20 drops
Bergamot oil	...	...	8 drops
Orange-flower oil	...	...	8 drops
French geranium oil	...	...	5 drops
Orris oil	...	...	1 drop
Cinnamon oil	...	...	1 drop
Musk tincture	...	...	3 drops
II. Black.			
Ivory black	...	...	50 grams
Liquid paraffin	...	...	250 grams
Mix intimately, and add to—			
Cacao-butter	...	...	350 grams
White wax	...	...	400 grams
previously melted together.			
(Perfume as for Red.)			
III. White.			
Zinc white	...	...	100 grams
Liquid paraffin	...	...	150 grams
Hard paraffin	...	...	350 grams
Cacao-butter	...	...	400 grams
(Perfume as for Red.)			

Another basis is as follows:

Cacao-butter	...	...	2
Ceresin	...	...	2
Olive oil	...	...	1

The colouring-matters employed, in addition to those mentioned above, are sienna, umber, yellow ochre, Armenian bole, eosin, rhodamine, and other aniline dyes diluted with French chalk. The earths are carefully elutriated and dried before use.

A. W. P. (172/44).—FEVER-CURE.—Peppermint-water appears to be the most suitable flavouring-agent for the nitric-acid fever-mixture. (See *C. & D.*, April 15, p. 52.)

A. J. C. (118/20).—DYEING FUR.—For black, a mordanting-mixture is prepared by grinding together—

Litharge	...	...	35 grams
Copper oxide	...	...	25 grams
Ammonium chloride	...	...	15 grams
Crude potash	...	...	20 grams

and adding—

Slaked lime ...	from 250 grams of quicklime
Water	750 grams

and diluting to 1½ litre. Allow to stand for several days before use.

This mixture is brushed twice, as evenly as possible, over the furs, which are then dried in the shade. After being beaten and brushed they are ready for dyeing. The dyeing-mixture, which is applied in the same way as the mordant, is composed of—

Roasted nut-galls	...	...	250 grams
Ferrous sulphate	...	...	40 grams
Copper acetate	...	...	20 grams
Alum	...	...	20 grams
Sumach	...	...	20 grams
Antimony trisulphide	...	...	20 grams
Litharge	...	...	35 grams

all finely ground and mixed with water 1½ litre.

After dyeing, the furs are dried, and the process is repeated until the proper depth of colour is obtained. Other processes involve the use of "Ursols"—i.e., para-amidophenol, *p*-phenylenediamine, and their derivatives. The fat-free furs can be dyed direct with these agents, or a mordant can be employed.

S. R. K. (Lahore) (152/19).—(1) Lewkowitsch's "Chemical Technology and Analysis of Oils, Fats, and Waxes" covers the whole field of the subject. It is in three volumes. Vol. II. (25s., Macmillan) dealing with the commercial preparation of the raw material. Vol. I. is published at 25s., and Vol. III. at 20s. These and the other books you refer to you can doubtless obtain through booksellers in India. (2) Will you indicate the kind of oils you desire to manufacture? We can then put you in touch with the manufacturer of necessary machinery.

Emerald (157/24).—(1) There is no modern information available regarding the uses in veterinary medicine of Ethiops mineral (black sulphuret of mercury) and white sulphate of mercury. The use of these chemicals seems to be obsolete. (2) The equivalent of iodine to potassium iodide is calculated from the atomic weight—e.g., iodine 126 = potassium iodide 166.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," May 15, 1866.

Medicated Pessaries and Suppositories.

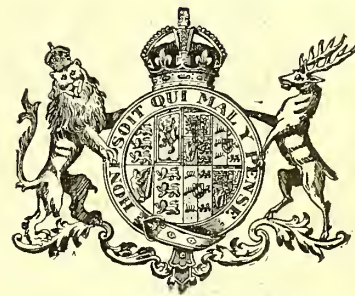
The extended employment of these articles in the treatment of uterine disorders, and for the administration of medicinal substances by the rectum, has opened a new field for pharmaceutical invention. At the last evening meeting of the Pharmaceutical Society, Mr. H. B. Brady brought forward the results of his own labours in this field, and explained, with great minuteness, the various operations comprised in the preparation of medicated pessaries and suppositories. After the reading of Mr. Brady's paper, Mr. Daniel Hanbury called the attention of the meeting to a collection of pessaries and suppositories of various kinds, and very superior manufacture, exhibited by Mr. J. L. Bosley, of Brompton Road. We have now before us several samples of the articles made by Mr. Bosley, and unhesitatingly declare that they are the most elegant preparations of the suppository class that have come under our notice. The pessaries are shaped like the original Minié-rifle bullet, but are somewhat larger than that famous projectile, being about an inch and a quarter high, and three-quarters of an inch broad at the base. The suppositories are of a similar conical form, but are, of course, considerably smaller. The butter of cacao enters largely into the composition of these medicated cones, and may be recognised by its aromatic odour. This substance has great firmness when cold, and also a remarkably low melting-point—the very qualities that are required in a suppository. The wax and lard basis of the two official suppositories is in many respects highly objectionable, and in every respect vastly inferior to cacao butter.

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„ 901.	Opaque Shaving Sticks			1/-	„
„ 910.	Pear Blossom Talcum Powder			1/-	„

VIOLET POWDER AND FULLER'S EARTH.

No. 640.	$\frac{1}{4}$ lb. Violet Powder				$4\frac{1}{2}$ d. each
„ 641.	$\frac{1}{2}$ lb. „	„	„		9d. „
„ 642.	1 lb. „	„	„		1/5 „
„ 626.	$\frac{1}{4}$ lb. Fuller's Earth				$4\frac{1}{2}$ d. „
„ 627.	$\frac{1}{2}$ lb. „	„	„		9d. „

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Ammon. benz.
Caffein. sodiobenz.
Sodii benz.

Citrates.

Lithii citras.
Potassii citras.
Sodii citras.
Ferri et ammon. cit.
Ferri et quin. cit.

Formates.

Calcii formas.
Potassii formas.
Sodii formas.

Lactates.

Calcii lactas.
Calcii lactophosph.
Ferri lactas.
Magnesii lactas.
Strontii lactas.
Zinci lactas.
Calcii phosphas (P.B. '14).
Calcii phosphas (di-acid. cryst.)
Calcii phosphas (mono-acid).
Calcii saccharas (soluble).

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Acid salicylic phys. pur.
(large cryst.)
Sodii salicylas pulv.
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Lithii acetylsalicylas.
Sodii acetylsalicylas.

Sodii phosphas P.P.P.

Pea cryst.
"Feathery" cryst.
Sodii phosphas acid.

Sodii sulphas P.P.P.

Pea cryst.
"Feathery" cryst.
Sodii sulphas acid.
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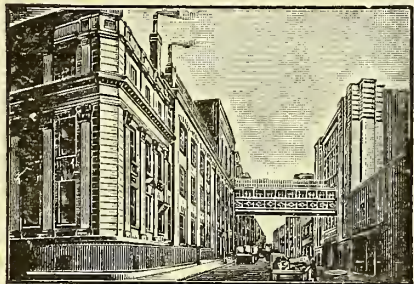
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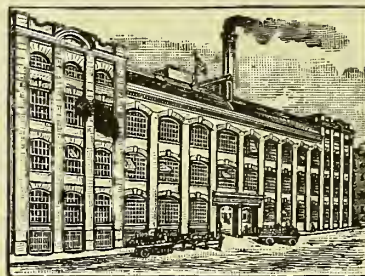


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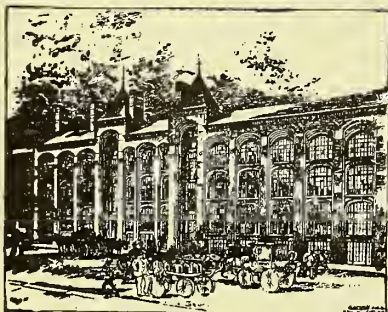
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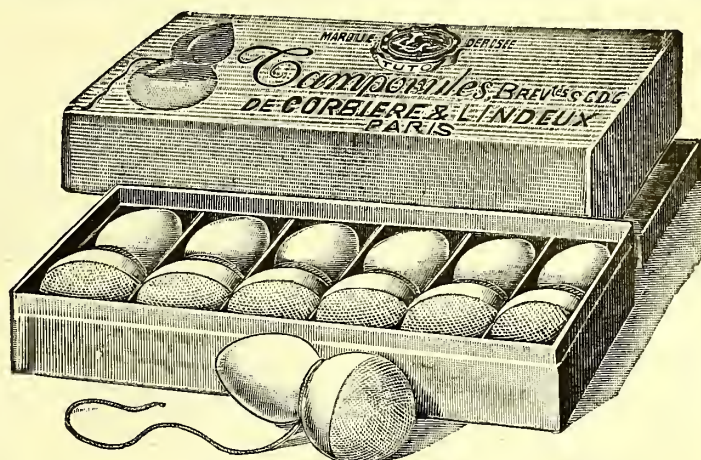
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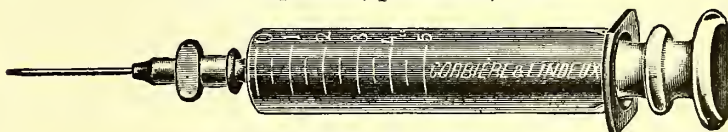
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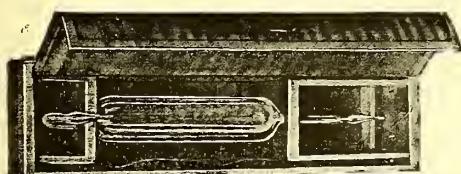
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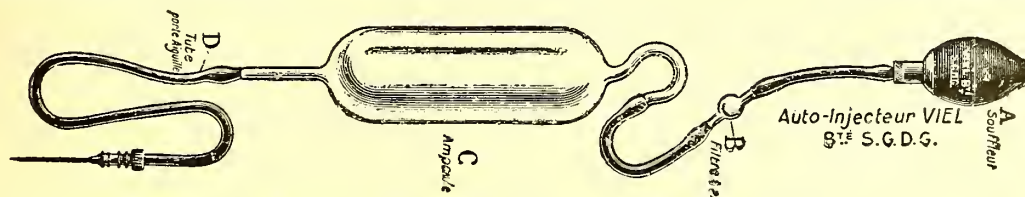
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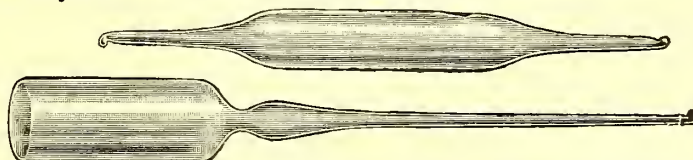


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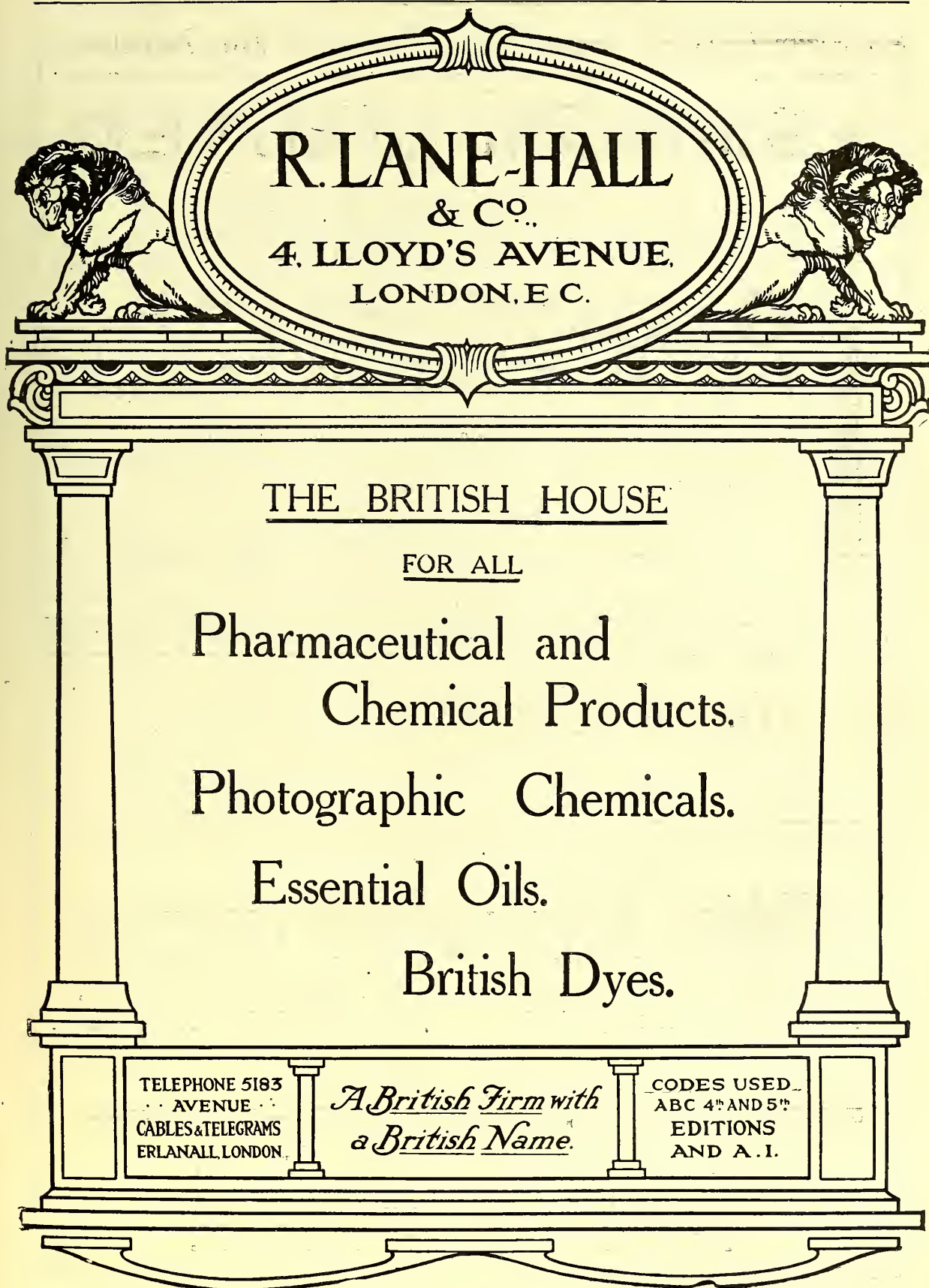
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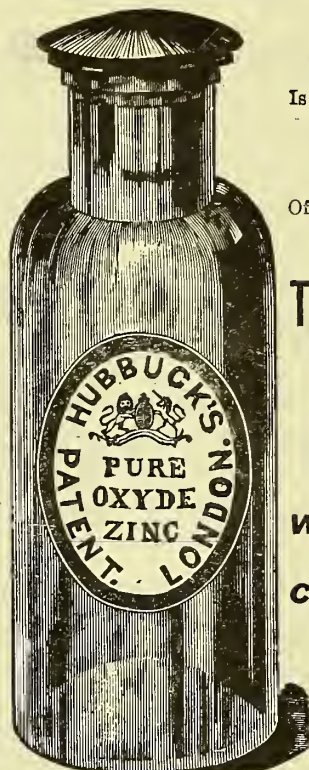
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Some years ago, in response to a demand for a high-class concentrated Bronchial Wafer, we perfected the finest known formula and introduced it into the market

ON A LARGE SCALE.

We spared no effort to make this wafer

THE BEST OF ITS CLASS

in therapeutic efficacy—in instantaneous effect—in perfection of form, with the result that to-day, although the number of "Wafers" on the market is legion, our make is still

UNSURPASSED and UNAPPROACHED.

Suitable alike for the highest class and the humblest trade, these Wafers offer superlative value to the consumer, and are the means of bringing numbers of customers to the Pharmacy, orders being repeated time after time.

In past years we have sold them in millions, and the sale is ever increasing.

Price in bulk; 3/6 per lb.

28 lbs., 3/4 } less 5%.
1 cwt., 3/2 }

Artistic Tins for the waistcoat pocket—

Large, 4½ d. Retail; 3/- per doz., 3 doz., 34/- per gross } net.
Small, 3d. Retail; 2/- per doz., ½ gross, 22/- per gross }

These Wafers average 120 to the ounce.

The large tin contains about 90 Wafers.

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Hand-cut—Potential in effect—of beautiful finish.

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For HEARTBURN, HEADACHE, GOUT,
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Henry's Calcined Magnesia

FREE FROM TASTE, SMELL OR
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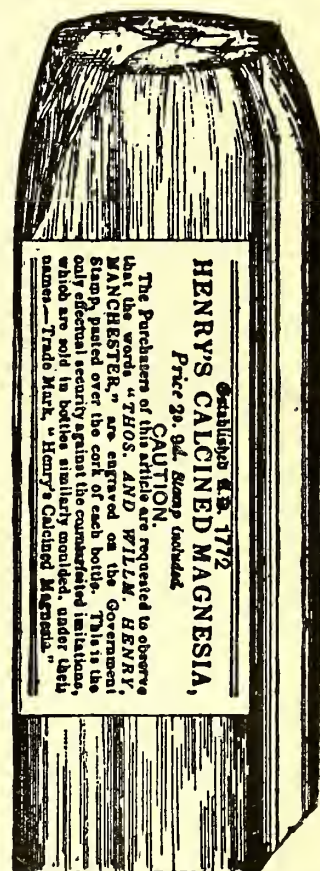
A Safe Aperient for the most delicate constitutions.

CHILDREN.

May be given to children in early infancy. The addition of a small quantity of the Magnesia prevents milk turning sour on the stomach.

MESSRS. THOMAS and WILLIAM HENRY, of Manchester, England, beg to inform the Trade generally that they continue to manufacture their old-established "CALCINED MAGNESIA" in the Greatest Chemical Purity, and also wish to warn Buyers against the numerous spurious and very inferior imitations offered in various foreign countries.

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Quotations given in £ sterling, per cwt.

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Dissolves Uric Acid. A Treatment for Gout, Rheumatism, Arterio-sclerosis, etc.

Dose: 3 teaspoonfuls per day, each dissolved in half a tumbler of water.

Price 5/- and 12/- per bottle (latter size equals three 5/- bottles).

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"Re-education of the Intestine." For prevention and treatment of Constipation, Enteritis, etc.

Dose: 1 to 3 Tablets at bedtime. Price 5/- per box.

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A Powerful Tonic; Blood, Muscle, and Nerve-forming Agent.

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A Remedy against Diseases of the Liver. Used in the Treatment of Malaria, Cirrhosis of the Liver, etc.

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Chronic Condition: 6 capsules per day.
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For Intestinal Disorders. Effective in Diarrhœa. Prevents Appendicitis and Infectious Diseases.

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A Standard Treatment for Diseases peculiar to Women. Regulates the blood function and prevents the disorders attending the Menopause.

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A Vaginal Antiseptic Agent. To be used twice daily for sex hygiene.

Dose: 1 teaspoonful to a quart of warm water.
(External use) Price 4/- per box.*Heppells*

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Foreign Chemists, 164 PICCADILLY, LONDON, W.*Stocked by all Wholesalers. Now being largely advertised.***London Chemical
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ALL GRADES FROM THE LIGHTEST TO THE PUREST & WHITEST DENSE.

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CARBONATE. CALCINED, FLUID.



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You could sell nearly every customer a jar of Resinol.

Try it to-morrow, and note the pleasant increase in the day's sales. Instruct your assistants to ask each customer if he has ever tried Resinol, and then to explain how it is a soothing, healing, antiseptic ointment, not only for Eczema, Pimples, and other skin troubles, but *invaluable* in every household for those constantly occurring rashes, chafings, cuts, bruises, burns, and a score of other uses. It takes the pain out at once, and stops itching instantly. With every sale of Resinol Ointment for *any skin trouble* you should also sell a cake of *Resinol Soap*. The patient should bathe the affected surface with Resinol Soap and hot water before applying Resinol Ointment.

SEND FOR A MINIATURE RESINOL SHAVING STICK

It's free. We want you to learn how this rich, creamy lather soothes and heals the face. When you have tried it you will WANT to recommend it to every man who comes into your shop.

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Retail Price— $7\frac{1}{2}$ d. per box. Wholesale Prices—6/- per dozen : 70/- per gross net.

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Retail Price— $10\frac{1}{2}$ d. per box. Wholesale Prices—8/- per dozen ; 94/- per gross net.

Showcards free with all orders. Carriage paid on orders of £2 value.

Orders are accepted through Wholesale Houses on above terms.

Special Bonus for Cash with order is allowed.

For particulars write THE SALES MANAGER,

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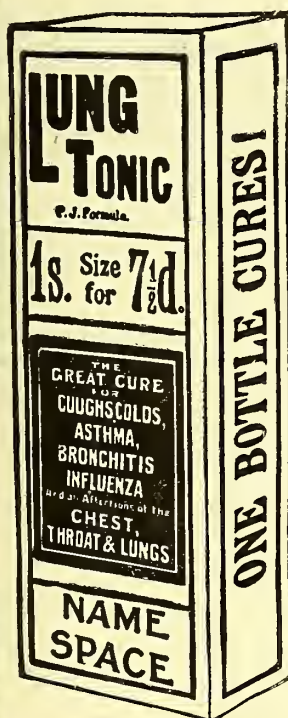
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Two Sizes, selling at 7 1/2 d. and 1/3.

Write for new scale of prices according to quantity ordered.

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Largely increased Production and Sale.

Special Terms to large Shippers.

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CRETA PRÆCIPITATA (Calc. Carb. Præcip. Leviss.)
SPECIAL QUALITY.

**FINEST, LIGHTEST,
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Every particle is passed through a mesh of **40,000** to the square inch.

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The sample of Precipitated Chalk, **G. W. N.** Brand, which was submitted for my examination, I found to fulfil all the requirements of the United States Pharmacopœia as regards tests of purity. *The sample is remarkably pure, and free from the usual impurities found in Precipitated Chalk.*

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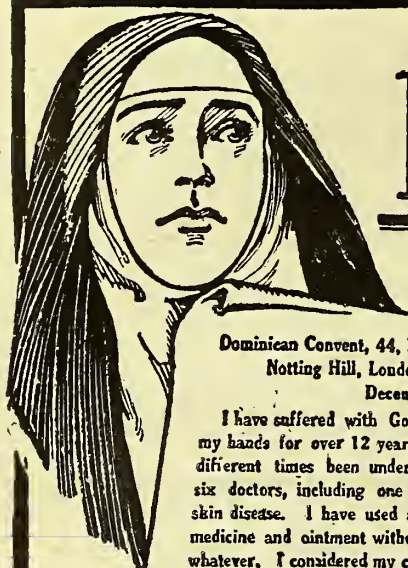
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Pronounced "the finest British make on the Market."

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HYDROUS or ANHYDROUS.

A purified Wool fat of good colour & consistence. Specially prepared for Ointments and Toilet Preparations.

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THE GREAT

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FOR

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DISEASES.

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SOLD THROUGHOUT INDIA, BURMAH, CEYLON, STS SETTLEMENTS.
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2ND MEND-IT 2ND

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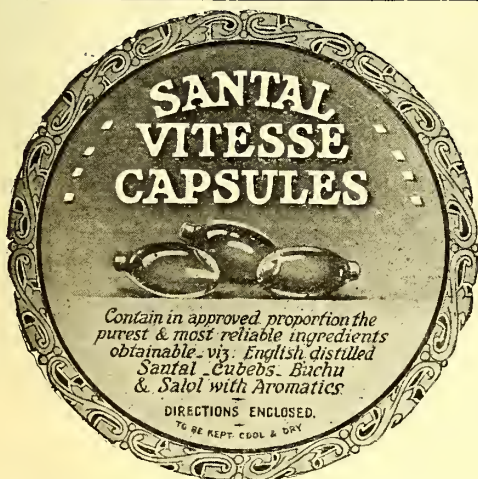
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We guarantee this combination to be one of the most genuine and reliable on the market. The ingredients stated upon the label are absolutely pure.

2/6 boxes containing 24 ... 18/- doz.
3/6 " " 36 ... 25/- "

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Neat Showcard with all orders.

POTTER & CLARKE, LTD.

60-64 ARTILLERY LANE, LONDON, E.

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FLEXIBLE CAPSULES

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All Capsules are filled with the purest ingredients and are guaranteed effective.

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For every class of Trade. The largest output in the Kingdom. Over 50 Standard Grades. In bulk or packed in tins with customer's name and address on top for 1 gross and over. Special design for 10-gross lots and upwards. Private receipts carefully attended to and executed with integrity.

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For Home and Export Trade.

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WARRANTED NOT TO LEAK.

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With various labels and varied finish.

A homogeneous Pure White Cream, which keeps indefinitely and will not go thick or separate.

3 oz.	4 oz.	6 oz.	8 oz.
White French Limes.			
3 oz.	4 oz.	6 oz.	8 oz.
White Panels. Prices on application.			

COLD CREAM.

No. 1	2	3	4
10d.	1/2	1/6	1/9 per lb.

(QUANTITIES LESS).

WHITE FULLER'S EARTH

Borated Talcum.

VIOLET POWDER, &c.

In Cartons, Boxes, Barrels, and oval-decorated Canisters with Sprinkler Top.

HAIR DYES,

POMADES,

SHAMPOOS.



A SUCCESSFUL STEADY SELLING LINE.

Very adherent and
delightfully perfumed.

ELEGANT SHOWCARDS SUPPLIED FREE.

WINDOW SHOWS ARRANGED
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"YENA" POWDER DE RIZ (Shen).

BIJOU ... 18/-

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JUMBO ... 88/-

N.B.—The Best Selling Line ever offered.

SHOWCARDS SUPPLIED FREE.



THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, MAY 20, 1916

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

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THE PUBLICITY IT PAYS TO PAY FOR.

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Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

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- 2.—LONDON, N.W. (Within Easy Distance of West End).—Retail and Dispensing; very profitable middle-class business; returns £1,500; will bear the fullest investigation; modern-fitted shop, with residence; valuation and small premium for goodwill.
- 3.—HOME COUNTY (Few Miles Out).—Well-established Business, together with Optical connection; net income over £500 per annum; terms, stock and fixtures at valuation and sum for goodwill.
- 4.—LONDON, W.C. (Attractive Locality).—Old-established Business; returns £2,000, present rate less; price £950; the business has been known to us for many years, and we can recommend it.
- 5.—LONDON, N. (Main Thoroughfare and in Busy Part).—Ready-money Business; returns under Assistant between £1,400 and £1,500, at good prices; about the value of stock and fixtures required; part payment considered; books kept by accountant.
- 6.—KENT (Suburban).—Middle-class Retail and Dispensing Business; no N.H.L.; returns £900; net profit £249; comfortable residence; rent £50; price £275 on entry and balance, £175, by instalments; full investigation courted.
- 7.—LONDON, N.E.—Retail and Dispensing, chiefly ready money; returns between £850 and £900; profits above the average of Retail trade; price £300.
- 8.—BUCKS (Death Vacancy).—Old-established Pharmacy, well situate in the Market Place; returns about £2,000; net profit estimated between £350 and £400; new lease; terms, valuation of stock and fixtures.
- 9.—SOUTH COAST (Fashionable Health Resort).—Dispensing and Retail, with Optics; good position, in close proximity to railway station; returns between £1,400 and £1,500, present rate less; well-appointed Pharmacy, with residence; new lease will be granted; inspection invited.
- 10.—NOTTS.—Light Retail, Dispensing, and Photographic; returns between £1,000 and £1,100; net profit £250; rent £35; about the value of stock and fixtures required.
- 11.—SHEFFIELD.—Established Business; present hands upwards of 50 years; returns £500; net profit £180; vendor will accept £350 or near offer for early release.
- 12.—BRISTOL CHANNEL (Seaport).—Thoroughly sound Retail and Dispensing Business, in busy main thoroughfare; returns £1,500 yearly; excellent premises; valuation of stock and fixtures only required.
- 13.—MANCHESTER.—Cash Retail Business, situate in working-class district; returns £780; net profit exceeds £300; price £375.
- 14.—SHROPSHIRE.—Mixed Business; good medium-class trade; returns average £600; several Proprietaries; well-appointed shop and roomy house; rent moderate; terms, valuation of stock and fixtures.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

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Telegrams, "Brett Leicester."

Telephone 1934.

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STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

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£550 returns.—LINCOLNSHIRE.—Nice Family Retail; can be much increased by suitable man, as there are exceptional opportunities; valuation about £400.

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Being a Pharmaceutical Chemist with 50 years' experience of every class of Chemists' Businesses, Wholesale and Retail, town and country, Dispensing and Cash Retail, and for 40 years actively engaged in the valuation and transfer of Chemists' Businesses, invites correspondence. Vendors sending particulars of their Business do not incur any monetary liability whatever unless the business is actually sold on his introduction.

SOUTH COAST.—Returns over £2,000; absolute net profit well over £400; price asked, £400 and value of stock, etc.

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ANNUALLY increasing Business, Essex; now over £1,000; small expenses; good profits; price £100 and valuation.

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C. DURHAM.—Drug Stores with Wine Licence; established 12 years; doing good trade; good reason for selling; attractive shop and comfortable house; only bona-fide applicants need apply for fuller particulars; price £300. 44/2, Office of this Paper.

L. LANCASHIRE.—A well-established Retail Business for Disposal; returns £900 per annum; very profitable; good position; little opposition; bona-fide reasons for selling; books kept; every investigation allowed; offers invited. Apply, 50/12, Office of this Paper.

L. LANCASHIRE Coast.—Small sound Business in beautiful district, with exceptional opportunities for growth; returns for 1915, £566 13s. 6d.; rent £25; price £250; good reasons for disposal. Apply, "Stigma" (52/22), Office of this Paper.

L. LIVERPOOL.—Nice Light Retail Business for Disposal; returns £650; low price; owner called up. Culshaw, Penny Lane, Wavertree, Liverpool.

L. LONDON, N.—Cash Drug Stores with Side-line; £180 for going concern; must be sold, ill-health cause; returns £800, could be increased; every investigation courted; nice shop and roomy house; same hands 22 years. 222/42, Office of this Paper.

N. NORTH Wales Coast (near noted Golf Links).—A profitable Light Retail, Dispensing, and Photographic Business, with good Side-lines and a high-class season trade, for Disposal at valuation of stock and fixtures; returns nearly £1,000 at good profits; can either be had as a Lock-up shop or with exceptionally good house attached at a fair rental, or vendor would entertain the sale of above freehold premises. Full particulars, "B. P.," c/o Messrs. Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool.

S. DEVON.—Large town on Coast; Dispensing Business; returns £900; net profit £250; price £650; health consideration the reason for sale. Apply, 54/23, Office of this Paper.

S. SOUTH.—Well-established Cash Business, Light Retail and Prescribing; average returns £900; good opening for N.H.I. Dispensing; net profit £250; price £550 (£250 can remain). Herbert, 19 Thornhill Road, London, N.

SOUTHERN County (30 Miles from London, in most Healthy and Delightful District).—Genuine Light Country Retail; easy hours; no opposition; turnover about £900; proper books kept; nice house, with garden; well-kept stock; owner, remaining in district, will give purchaser every help; price £500, or near offer. Apply, "Bonafide" (55/5), Office of this Paper.

CHEMIST'S, West-End; unique position; low rent easily cleared by letting upper part; takings £3,000 year; large stock, valuable lease, and all fixtures for £3,000 all at; month's trial allowed; owner retiring from business; genuine; call or send trade card. Frank Edwards, 52 Waller Road, New Cross Gate, London.

DRUG Stores for Disposal; under lady management; five rooms and storeroom, scullery; stables at the rear of garden let off; rent £40 and rates; man could do good business; husband at the Front; price £100, or near offer. Digman, 153 Eardley Road, Streatham.

FOR Disposal, old-established Business in good Agricultural district; returns average £550, has done over £1,000; plenty of scope for increase; Dentist attends weekly and pays half rent; good house and garden, warehouse, etc.; splendidly fitted shop and well stocked; price £450, or near offer; bargain. Apply, "Y. Z." (52/56), Office of this Paper.

OLD-ESTABLISHED, good-class Family and Retail Business in attractive Midland city; Post Office attached, which more than pays rent; at Valuation of stock and fixtures. Apply, "Executors" (51/22), Office of this Paper.

SMALL Business; 6 miles from opposition; in present hands 17 years; price £200. "Aurant" (42/8), Office of this Paper.

TEN miles out; splendid opportunity for qualified Chemist; owner enlisted; modern shop and house; rates £8, rent £35 per annum; long lease; good profits; no N.H.I.; under unqualified taking £600; no opposition whatever; price, including stock, fittings, and fixtures, £100; a personal visit is requested, when all particulars will be given. "Surrey" (54/13), Office of this Paper.

UNOPPOSED Light Retail, Dispensing, and Prescribing, 50 miles from London; nearest opposition 7 miles; population district 5,000; returns £830; net profit over £250; good house and garden; excellent opening for Dentistry; satisfactory reasons for disposal; present hands 10 years; further particulars on application; price £400. Apply, "Chemicus" (52/15), Office of this Paper.

WAR Bargain.—Splendid opportunity of acquiring genuine old-established Country Retail, reduced through neglect, but affording unusual opportunities for rapid extension in capable hands; excellent opening for Dentistry; large, handsomely fitted shop, 6-roomed house, and garden attached; appointment covers rent; first offer approaching £150 accepted for immediate disposal; worth £200. "Eastmid" (47/38), Office of this Paper.

WELL-KNOWN Manufacturing Business, with large connection amongst Shippers, Wholesalers, Dealers, and Retailers, with many good and well-known Proprietary Lines, Registered Trade-marks, Hand Machinery, Labels, Showcards, etc., owing to proprietor leaving the country; all formulae will be given and manufacturing taught; every investigation; price £400 or near offer. "E. J." (52/8), Office of this Paper.

£25 FIXTURES and fittings; stock at valuation, about £50 to £60, all new and saleable; selling owing to war; returns under Manager (unqualified) average over £40 per month; rent £35; nice house, recently decorated; healthy Suburban district, near Crystal Palace; suit elderly man. Reply, "X." (222/47), Office of this Paper.

£20 DOWN will procure a good Dispensing and Prescribing Business.—Owing to the war I must sell cheap or close down by the 17th inst., and any ineligible man will have a bargain; situated N.W. London, near Pound Lane, in main thoroughfare, with low rental; prospective purchaser must apply at once; valuation of stock and fixtures £140. 223/58, Office of this Paper.

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HENRY S. JACKSON, late partner in Henry Jackson & Sons, Wholesale Druggists' Sundriesmen, Liverpool, is open to Represent a good firm or would take up a few Agencies of business friends to keep them in touch with the customers; the above firm closing on account of the ill-health of Mr. J. C. Jackson, surviving partner. Dewey Avenue, Elton Park, Aintree.

BUSINESSES WANTED.

ADVERTISER wishes to Purchase for cash Light Retail and Specialty Business, returning from £18 to £30 per week; moderate rent; Yorkshire or town near London, W., preferred, but not essential. Kindly send full particulars, in confidence, to "Genuine" (53/23), Office of this Paper.

BUSINESS Wanted, London or Suburbs; returns from £700 to £1,400. Full particulars in confidence, "T. R." (51/20), Office of this Paper.

BY qualified Pharmacist, Mixed Country Retail and Agricultural Business, with good connection and scope; where part cash, £70 to £100, and balance by easy payments can be arranged; near South Coast preferred. 52/40, Office of this Paper.

WANTED, a London Suburban Business, or one within 30 or 40 miles; house must have private entrance, and with garden preferred; or Management to early succession. Address, 53/33, Office of this Paper.

FOR SALE.

AERICAN Soda Fountain, or in exchange for National Cash Register; must be new and a recent model. Allen's, 155 Praed Street, Paddington, W.

CASH Register Till (National), second-hand, to be sold at once, No. 417X; first-class condition. Write, Harding, 31 Fishers Lane, High Road, Chiswick, W.

CHEMICALS for Sale.—100 lb. Salol (U.S.P.), 44s.; 28 lb. Sodium Bromide (U.S.P.), 15s. 3d.; 100 oz. Quinine Salicylate, 4s.; all prices net. Reply to "C. S.", 104, c/o Deacon's, Leadenhall Street, London, E.C.

FOR Sale.—About 20 crates of best-quality flat bottles, 16-oz. and 8-oz.; lettered on one side, B. S. & G., Ltd.; what offers? Apply, Brekke, Son & Gillard, Ltd., 9 Scale Lane, Hull.

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FOR Sale.—Plate Glass Air-tight Showcase, 95 in. long by 51 in. deep by 29½ in. wide; polished oak; 6 glass shelves; movable fittings; can be seen in London. Apply, 50/11, Office of this Paper.

FOR Sale, the undernoted Powder Dyes: Brown, 2 lb.; Turkey Red, 2 lb.; Pink, 2 lb.; Black, 4 lb.; Heliotrope, 1 lb.; Yellow, 2 lb.; Blue, 1 lb.; in original tins. Hamilton & Co., 8 Springfield Quay, Glasgow.

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1 OZ. Chloralamid, 1 oz. Lysidine, 1 oz. Mesotan, 3 oz. Salol, ½ oz. Theocin Sod. Acet., ½ oz. Helmitol; B. W. & Co.'s Tablets as follows: 2 100's Salol, gr. v., 100 Xaxa Quin., gr. iii., 100 Empirin, gr. v., 100 Guaiacol Carb., gr. v., 100 Quin. Salicyl., gr. iii., 100 Heroin, gr. i., 100 Pot. Brom., gr. v., 100 Caffein Co., gr. iv., 100 Trional Tablets, gr. v., 100 gr. v. Peptozime Tab.; ½ doz. 2s. 9d. Pinex, ½ doz. 2s. 9d. Pylitna Powders, ½ oz. each 1s. and 1s. 9d. Banina Food; 3 Pill Machines, 1 Veedee Vibrator with 3, 4, and 6 grain cup and ball attachment. 54/22, Office of this Paper.

TUITION.

LADY requires tuition in Chemistry, Theory, also Practical; preparing for Apothecaries' Hall Exam.; evenings or Saturday afternoon; preferably from Chemist or Teacher residing in Croydon area. "M. R.", 64 Enmore Road, South Norwood.

TO LET.

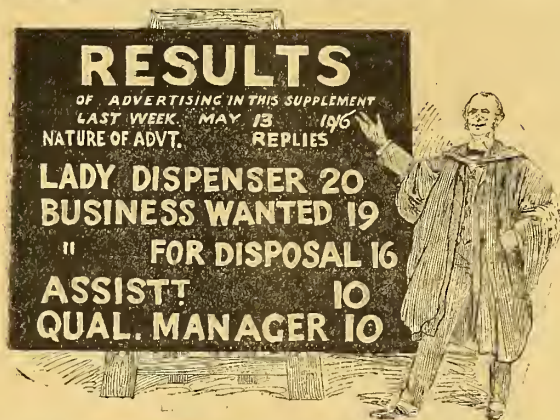
CHEMIST'S Shop and House, small, to be Let owing to death; very old-established business; most of fittings remain; rent £30. Apply to 146 Southampton Street, Camberwell, or E. J. Barrett, 70 Southwark Bridge Road S.E.

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RESULTS
OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK, MAY 13, 1916
NATURE OF ADVT. REPLIES

LADY DISPENSER 20	
BUSINESS WANTED 19	
" FOR DISPOSAL 16	
ASSISTT 10	
QUAL. MANAGER 10	

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

BATH.—Assistant, qualified or unqualified, required in good-class Dispensing business; must have had good experience, and be ineligible for military service. Apply, with full particulars as to age, experience, references, etc., and enclose photo, to John Hawes, 37 St. James's Square, Bath.

BIRMINGHAM.—Dental Operator-Mechanic well up in all branches of Dentistry wanted. State full particulars of references, wages wanted, etc., in first letter; private house Practice. Apply, 51/4, Office of this Paper.

BLACKPOOL and Crewe.—Blackpool: ineligible, unqualified Assistant; must be energetic, up-to-date Window-dresser; 50s. week to commence; also young lady for Shop and Window-dressing; Crewe: qualified Assistant; ineligible. Full particulars, photo (returnable), references, and experience, age, etc., in first letter, Galloway, Blackpool.

BRIGHTON.—Assistant wanted in a good-class Retail and Dispensing business. Apply, with fullest particulars of age, height, experience, references, etc., state whether eligible for military service. Parris & Greening, 16 Western Road, Hove.

CARDIFF.—Assistant wanted immediately; no Sunday duty; outdoors. Apply, Jenkins, 372 Cowbridge Road, Cardiff.

CATERHAM.—Wanted at once, an Assistant to take charge of small Country business; ineligible; live in; no Sunday work. State salary to Davies, Chemist, Caterham, Surrey.

CHELTENHAM.—Wanted immediately, competent Assistant, qualified preferred (ineligible), for high-class Dispensing and Photographic business (indoors). Please send photograph and usual particulars, to Beetham & Clark, Cheltenham.

CHESHIRE.—Married Assistant, qualified; accustomed to best-class business; must be ineligible for military service; comfortable position for suitable man. Full particulars on application, 53/20, Office of this Paper.

DISS, Norfolk.—Assistant wanted in Agricultural and Dispensing business; outdoors; reasonable hours. Apply, with full particulars, salary required, when at liberty, references, to Gostling & Co.

HUDDERSFIELD.—Experienced male or female Assistant wanted for good-class business; outdoors; liberal salary offered. Give full particulars, age, experience, salary, and enclose photo, to Ralph Cuthbert, Ltd., Chemists, Huddersfield.

INGHAM Infirmary and South Shields and Westoe Dispensary.—Wanted, a fully qualified Dispensing Chemist (lady), with Hospital experience preferred; commencing salary £100 per annum. Apply, with full particulars and copies of recent testimonials, to the Secretary, Ingham Infirmary, South Shields.

KING'S College Hospital, Denmark Hill, S.E.—Qualified Assistant Pharmacist (male or female) wanted as Locum from June 26 to September 23 inclusive. Apply to E. B. Fairweather, Dispenser at the Hospital.

LIVERPOOL.—Wanted, competent all-round Assistant; good Prescriber; hours 9 to 9.30, Saturday 10.30; no Sunday duty. State age and salary required to H. C. Woodhead, Chemist, 16 Paradise Street, Liverpool.

LANDUDNO.—Wanted, qualified Assistant immediately for Dispensing and Photographic business. Apply, T. Esmor Hoason, Ltd.

LONDON.—Qualified Manager required for high-class business; must not be under 45 years of age, but active and energetic; liberal agreement to a man of ability; permanency. "S." (52/160), Office of this Paper.

LONDON (West End).—Qualified Assistant; suit elderly man or one ineligible for military service; light hours; easy berth; outdoors. Apply, 51/19, Office of this Paper.

LONDON, N.E.—Outdoor Assistant, Counter, Dispensing, etc., unqualified or qualified; also Locum for two or three weeks in summer; indoors or outdoors. Write, stating salary expected and usual particulars, Tabor & Cresswell, 138 High Street, Kingsland, N.

LONDON, S.E.—Qualified Assistant required at once; would suit middle-aged man desirous of light occupation and easy hours, 9 to 5; two days off a week. Please give full particulars as to age, experience, and salary required to "Alert" (54/20), Office of this Paper.

LONDON, S.W.—Wanted, a Dispenser, lady or gentleman; qualified or unqualified; hours of work approximately 8.45 to 6.30; no Sunday duty. Write, giving full particulars of past experience, to "L. J.," 225, Sells' Advertising Offices, Fleet Street, E.C.

LONDON, W.—Wanted, a Junior Assistant (ineligible); good Dispenser; whole- or part-time. Apply to W. F. Pasmore, 320 Regent Street (opposite Polytechnic).

LONDON, W.—Lady Dispenser required for Surgery. Apply, Dr. Sealy, 32 Brondesbury Road, Kilburn, N.W.

LONDON, W.—Required, an Assistant, lady or gentleman, for good-class Dispensing business; no N.H.I. work. Please state full particulars, age, experience, salary required (outdoors), to W. A. Weston, 8 Sandringham Parade, Ealing.

MANCHESTER.—Qualified Manager for purely working-class business; must be about 45 years of age, active, and energetic; good agreement with liberal interest in the profits offered to the right man. "M." (52/163), Office of this Paper.

MANCHESTER, Suburb.—wanted at once, a Junior Improver. Apply, Thos. Tomlinson & Son, 45a Market Street, Manchester.

NORTH WALES.—Assistant wanted, experienced General Retail, good Counterman; ineligible for Army; short hours; outdoors. Francois & Co., Chemists, Wrexham.

READING.—Wanted, reliable man, exempt from military service; able to take charge of good-class Dispensing and Retail business; good remuneration to suitable man. Apply, stating qualification and references, to G. B. Osborne, Chemist, Reading.

RYDE.—Wanted, Assistant for good-class Dispensing and Retail business; in- or out-doors; full- or part-time; season or permanency; no National Insurance Dispensing; good salary to suitable man; hours: close 8 p.m., 9 Saturdays; alternate duty one hour free in the mornings. Particulars to Tenison Smith, Ryde, Isle of Wight.

ST. ANNES-ON-THE-SEA, Lancs.—Lady Dispenser for first-class business; outdoors. Please state qualifications, salary required, etc., and enclose photo, J. H. Taylor.

SOUTH OF ENGLAND.—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

TISBURY.—Assistant (lady or gentleman) wanted for Retail and Dispensing Country business; progressive salary; easy post. Please give particulars and salary required (indoors), D. Lewis, Pharmacist, Tisbury.

WHITEHAVEN.—Qualified Assistant (lady or gentleman), outdoors, for Retail, Dispensing, and Prescribing; short hours; preference given to abstainer. Applications, with full particulars, to H. Clarke, 11 Market Place, Whitehaven.

WOLVERHAMPTON.—Dispenser wanted for Wolverhampton Friendly Societies' Medical Association; male (ineligible); Hall qualification. Apply, W. Evans, 103 Lea Road, Wolverhampton.

WOLVERHAMPTON.—Qualified Chemist, lady or ineligible man, to Manage Branch, Light Retail Store business, with some Insurance Dispensing. Send particulars of experience, age, and salary required, to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

WORTHING.—Qualified Assistant, three or four months' engagement, to Manage Branches and assist at head establishment during holidays. Particulars, with references, to W. Aston, Pharmaceutical Chemist, Worthing.

YORK.—Junior Assistant required (ineligible) or lady; accustomed to good-class Retail and Dispensing; outdoors. Apply, Burgin, Mansion House Pharmacy, York.

YORKSHIRE.—Capable, qualified Manager for progressive business; age 40-50; comfortable permanency. State fullest particulars as to experience, salary required, and when at liberty, "Y." (52/161), Office of this Paper.

A COMPETENT, trustworthy Assistant needed for good Dispensing and Retail business. W. Pickard, 3 West Kensington Terrace, W., opposite West Kensington Station.

ASSISTANT, over 41 years of age, for Dispensing business, Locum or otherwise; easy hours. State age, salary required, when disengaged, names of two last employers, and time with each. 53/1, Office of this Paper.

ASSISTANT for good-class Retail and Dispensing; knowledge of Photography essential; outdoors. S. Edwards, Pharmacist, Godalming.

ASSISTANT, not eligible, able to Dispense. Full particulars to Durbin's Drug Stores, 112 North End, Croydon.

DISPENSER, London, E.C., unqualified, wanted at once; outdoors; hours 8.45 a.m. to 6.30 p.m., Saturdays 1 o'clock; no Sunday duty. Write, Staff Superintendent, C.S.S.A., 136 Queen Victoria Street, E.C.

ELDERLY qualified Assistant wanted in a pleasant district a few miles from London; easy hours; duties arranged to suit; method of living as desired; no Sunday duty; weekly half-day closing; personal interview desired, expenses paid after full particulars to 51/14, Office of this Paper.

EVENING or Morning and Evening Relief Hand; qualified; S.E. London, at once; permanent. Apply, 55/2, Office of this Paper.

LADY with some Dispensing experience in Chemist's shop; opportunity for learning high-class Dispensing; easy hours; good salary; healthy town. State age, salary required, when disengaged, name of last employer or references, 53/100, Office of this Paper.

LADY Assistant; must be a good Dispenser, and have had experience in a Chemist's establishment; vacancy not in London; comfortable permanency for suitable applicant. State age, salary required, and when at liberty, "L. A." (52/16), Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy house; good and progressive salary, with excellent prospects.

QUALIFIED Assistant required (ineligible), to assist owner of old-established business in N.W. London; unique opportunity for a good man, especially so if desiring a permanency or wishing to purchase. Write fully, in strict confidence, to 52/25, Office of this Paper.

QUALIFIED Chemist as Manager; N.H.I. Dispensing. State full particulars experience, references, and when at liberty, must be ineligible for military service, M. J. Prosser, Walkden, Manchester.

QUALIFIED Assistant; ineligible; competent to take charge of a Light Retail and Dispensing Suburban business. Prebble & Bone, Chislehurst, Kent.

QUALIFIED Chemist required to Superintend and for N.H.I.; must be over military age; elderly not objected to if fairly active. State age, salary required, and when at liberty, to Cuthbert (Lancaster), Ltd., 70 Cable Street, Lancaster.

QUALIFIED and unqualified, married, required immediately, both for Management; Extractors preferred, but not essential; Medical businesses, London, S.E.; houses in splendid condition; qualified sole control; £3 weekly, liberal commission on all business done; unqualified £2 2s. and house; N.H.I. work; usual holidays. Phone Hop. 4027, or write, "Comfortable" (53/30), Office of this Paper.

QUALIFIED Assistant to take charge of a Country Dispensing business in Cheshire; small house attached, suitable for man without family; abstainer preferred. Apply, with age, references, and salary required, 53/24, Office of this Paper.

RELIABLE Manager wanted; London, N.E. (Lock-up); good salary. Full particulars to 51/32, Office of this Paper.

REQUIRED, qualified lady Chemist; a good, comfortable position, near London. 53/40, Office of this Paper.

REQUIRED immediately to Manage small business, Western suburb, qualified Chemist; single or widower; comfortable hours; must be gentlemanly and have good references. "Pharmacy" (52/20), Office of this Paper.

SENIOR Assistant (Manager) wanted; permanency; must have Country experience, be able to Extract, and have a good general knowledge of a Retail Dispensing business; married man preferred, but not essential. State age, salary (outdoors), and references, Cole, Chemist, Cavan, Ireland.

SMART unqualified First Assistant wanted for good-class Store trade on South Coast; must be good Salesman and Window-dresser; good appearance and address; able to take charge in absence of principal; salary 55s. per week and commission; early promotion. Apply, with full particulars, to 223/46, Office of this Paper.

TWO competent and trustworthy Assistants wanted for Mixed Country business, with N.H.I. work; good salary. Please give two recent references, and usual particulars in first letter, and how soon at liberty. Latham, M.P.S., Shirebrook, Derbyshire.

UNQUALIFIED, Manchester; lady or indigible gentleman; quick Dispenser; Mixed trade. State salary, age, and full particulars to "Alpha," 9 Arnott Street, Manchester, S.W.

UNQUALIFIED Assistant; age about 45; comfortable and permanent post. State salary required and when at liberty, "U." (52/162), Office of this Paper.

WANTED by Medical man practising in East Coast village on Panel, Dispenser-Bookkeeper and Surgery Attendant; applications from Nurse holding C.M.B. entertained. State salary required, 219/67, Office of this Paper.

WANTED, qualified Chemist; whole day holiday per week; good salary. Apply, Wm. Fox & Sons, Ltd., 109, 111, 113 Bethnal Green Road.

WANTED, Junior Assistant; ineligible for military service. Salary required and full particulars to Comyns, Chemist, Carshalton, Surrey.

WANTED, an Assistant, chiefly for Counter; one exempt from military duties; state hours able to put in, also salary required. Apply, with full particulars, The Prosser Roberts Co., Pharmaceutical Chemists, 13 Church Street, Camberwell, London, S.E.

WILLIAM DOBBIN & CO., LTD., Chemists, Opticians, and Photographic Dealers, Belfast, require a thoroughly competent, active, and experienced man as Manager and Buyer for a large and old-established Retail business; must be well up in all branches of the trade, and accustomed to control of staff; undeniable references essential. State fullest particulars in confidence, and salary required, 51/15, Office of this Paper.

WHOLESALE.

LONDON, S.W.—Required, Assistant on the Wet and Dry Counter. Write, stating experience and wages wanted, to "L. J.," 224, Sells' Advertising Offices, Fleet Street, E.C.

LONDON, W.C.—Assistant, unqualified, Junior, female, for making Hair-dyes and Perfumery; indoors or outdoors. By letter only, stating salary, Mr. J. Deacon, 5 Little Russell Street, near British Museum.

GIBSON, Wholesale Chemist, Gooch Street, Birmingham, requires Representative for Birmingham and district; cheap Packed Lines; well-established connection; applicants must be ineligible for Army. State fully age, experience, salary required, and when at liberty in first letter.

INVOICE Clerk (lady), Typist and Shorthand, wanted at once, by London Wholesale house. Apply, stating experience and qualifications, to "Export" (222/56), Office of this Paper.

LABORATORY Hand wanted, Manufacturing department (Tincture Room). Apply at Apothecaries' Hall, Water Lane, E.C.

PACKER wanted by a London Wholesale firm; also a man for Wet Cellar (ineligible). State wages and experience, 52/7, Office of this Paper.

QUICK-SELLING Side-line for Chemists and Perfumers; can be carried in waist-coat pocket. Write, with particulars of territory covered, to "Novelty" (223/39), Office of this Paper.

SHORTHAND-TYPIST (lady) wanted immediately; knowledge of Chemical trade preferred. Write, giving full particulars, to "V. A. P.," 116 St. John's Hill, Clapham Junction, S.W.

TABLETS.—Foreman Tablet hand required on Government work; permanency and good remuneration to competent man. Apply, giving full particulars of experience, etc., to 218/35, Office of this Paper.

TOILET Articles, Packed Drugs, and Perfumery Dept.—Wanted, experienced man to take charge. State age, experience, and salary required, Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool.

W. A. WHARRAM, LTD., 115 Vicar Lane, Leeds, have vacancies for Assistants for executing Doctors' orders; ineligible for military service; also vacancy for qualified man for Retail. Apply, stating age, previous experience, and wage required.

WANTED, lady Assistant for Pill and Tablet Factory. Apply, sending experience and salary required, to Reynolds & Branson, Ltd., Leeds.

WANTED, lady Bookkeeper and Typist, accustomed to Drug and Sundry trades. Apply, Heppell & Co., 38 Chandos Street, Charing Cross, W.C.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; **6d.** for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

EAST INDIES.—Assistant, Minor qualification, age 22 to 30, single, rejected, wanted for first-class British business in British Colony; good tropical climate; four years' agreement; passage paid; liberal salary to smart man with good-class Retail, Counter, and Dispensing experience. Apply, giving full particulars of experience, and stating present salary, to 47/30, Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; **6d.** for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.] RETAIL.

A **MANAGER** seeks permanency; 38; every qualification for responsible post; replies confidential. 53/5, Office of this Paper.

A **GE** 45; Manager, Locum, or First Assistant; disengaged shortly; energetic; good references and experience. 53/11, Office of this Paper.

A **SSISTANT**; tall, Photographer, energetic; age 36; unfit Army; excellent references. "Scot," 46 George Street, Portman Square, W.

A **SSISTANT**; unqualified; just over military age; disengaged shortly; all-round experience. "Radix," 72 Tremadoc Road, Clapham, S.W.; London preferred.

A **SSISTANT**; experienced Branch Manager; unqualified; married, no family; would accept temporary engagement; permanency preferred. "T.," 38 Clevedon Road, Norbiton.

A **SSISTANT**, unqualified, wishes situation; over military age; during war; London preferred; good references. "Caffein" (53/370), Office of this Paper.

BELGIAN Refugee Pharmacist (Ghent University) desires situation in a Pharmacy or Wholesale Drug House; very capable, and with over twelve months' experience in English Pharmacy; knowledge of English and Continental methods of Dispensing; speaks French, Flemish, German, and English. Address, L. Van Tenten, 5 Shooters' Hill Road, Blackheath, S.E.

DISENGAGED.—Reliable and smart Counterman wishes a permanent berth; active, ineligible, and well recommended; London preferred. 51/26, Office of this Paper.

D **ISPENSER** (unqualified) requires evening work; used to N.I. Dispensing and Counter. 51/9, Office of this Paper.

E **VENINGS.**—Lady, experienced, requires Counter work; North or West London. 53/29, Office of this Paper.

G **ENTLEMAN**, qualified Chemist, with office and showroom, own car, requires Agency or Representation of a firm where his connection and business ability would be valuable; what offers? 53/22, Office of this Paper.

L **ADY** (part qualified) seeks Dispensing; knowledge French, German. Woellwarth, 36 Ventnor Villas, Hove.

L **ADY** Dispenser, 20 (Hall), Institute experience, requires situation in or near Bradford; Hospital or private Practice preferred. Ullrich, 30 Haslingden Drive, Bradford.

L **ADY** Dispenser and Bookkeeper desires post, permanent or Locum; live out; two years' experience with Doctor. Write, stating salary, etc., Miss S., 119 North End, West Croydon.

L **ADY** Dispenser (qualified two subjects Hall) desires post in or near London, Doctor or Chemist. Address, "E. C.," 15 Balham Park Road, S.W.

L **ADY** Dispenser, with over ten years' experience, desires Locum work during the Summer, London district or South Coast; disengaged June. Apply, 54/14, Office of this Paper.

L **ADY** wants work, Chemist's shop; unqualified; Dispenser, with Chemistry certificate; good knowledge of Drugs; trustworthy; small salary; London E. or N.E. preferred. "A." (54/21), Office of this Paper.

L **ADY** Apothecaries' Assistant requires work as Dispenser, Hospital or otherwise. "S. R." (54/11), Office of this Paper.

L **ADY** Dispenser (Hall certificate) desires appointment with Doctor; London, N.E. district preferred; salary £2 per week. "Mitte," 69 Navarino Mansions, Dalston, N.E.

L **OCUM**; country; disengaged May 22; first-class references; booking forward. Dewey, Horne, Chemist, Bourton-on-the-Water.

L **OCUM** **TENENS**; disengaged; competent and thoroughly trustworthy. 53/4, Office of this Paper.

L **OCUM**, or a term; elderly; ineligible; qualified; disengaged. Hobson Key, Brook Estate, Monmouth.

L **OCUM**; qualified; experienced all round; good class; disengaged May 27. "Alpha," 85 Sutherland Avenue.

L **OCUM** or permanency; competent Dispenser, good Salesman. Forster, 54 Romilly Road, Finsbury Park, N.

L **ONDON** Only.—Unqualified; 50; abstainer; Front Counter; Dispensing; state salary; long hours or Sunday duty "not entertained." "Hodie," 10 Alfearn Road, Clapton.

M **ANAGER**; 47; qualified; City or N.E. preferred; permanency. State particulars, 50/16, Office of this Paper.

M **ANAGER**; qualified; 44; married; excellent references; London; terms £4 weekly; outdoors. 51/39, Office of this Paper.

M **ANAGER**; thoroughly up-to-date ideas; smart Counterman and Prescriber; interest or succession entertained; unqualified; London preferred. "E. W.," 814 Seven Sisters' Road, N.

M **ANAGER**; qualified; disengaged; used to large Store trade; experienced Buyer; 47. Please state salary offered, "Chemist," 7 Sparthfield Avenue, Roehdale.

M **ANAGER** required (June); heavy trade; must be sober, honest; good reference. "Rhei" (54/17), Office of this Paper.

M **ANAGER**; qualified; married; age 47; Provincial, Seaside, London; disengaged end of June. 52/28, Office of this Paper.

M **ANAGER**; qualified; non-eligible; keen Buyer, active and good Salesman; disengaged shortly. "Nux" (52/13), Office of this Paper.

M **ANAGER** or Locum; qualified; elderly, active; varied experience. "F. B.," 32 Wright Street, C-on-M., Manchester.

MANAGER; qualified; over military age; active; good Counter-man. "Pharmacist," 372 Harrow Road, W.

MANAGER or Locum Tenens; qualified; 48; 30 years' experience; active. "W. B. B." (54/16), Office of this Paper.

MANAGER, best experience in all branches, Photography, desires change; Buyer and used control large staff; age 45; married; interview arranged. 55/4, Office of this Paper.

MANAGER, Assistant, or Locum; 37; radius 20 miles Sheffield preferred; U.R. "Kallar" (54/6), Office of this Paper.

MANAGEMENT; 41; large varied experience; unregistered; disengaged. "Chemicus," 89 Denmark Road, Oxford Road, Manchester.

MIDLANDS.—Over military age; unqualified; 6 years present berth; salary 50s. net. 53/26, Office of this Paper.

PART-TIME, qualified, 20 years' experience, one or two evenings weekly, including Saturdays, from 5 p.m.; S.W. district, Dispensing and Counter. 44/3, Office of this Paper.

PART-TIME.—Qualified; evenings, Saturday after 2 p.m., occasional Sundays. "Pharmacist," 5 Claverton Street, S.W.

PHARMACEUTICAL Chemist (30), exempted, desires position: Manager or otherwise; London preferred; interview; good salary essential; disengaged July 1. "M.P.S.," 50 Gilmore Road, Lewisham, S.E.

PHARMACIST, elderly, good Prescriber, as Manager or Locum. "Chemicus," Harrison & Sons, 26 Chapel Street, Salford, Manchester.

PHARMACIST; elderly; competent; best experience; reasonable hours; moderate salary; London. 52/30, Office of this Paper.

QUALIFIED; Locum, permanency; 29; exempted; first-class experience; excellent references; fluent French. 52/14, Office of this Paper.

QUALIFIED, Scotsman, 38, seeks change; London, S.W. preferred; Manager or Senior; 8 years last berth; Photography, Optics; abstainer. 51/38, Office of this Paper.

QUALIFIED; 39; married; exempt; disengaged; Counter, Dispensing. Stewart, 3 Elborough Street, Southfields.

QUALIFIED, ineligible, seeks permanency; competent, well experienced; commence to suit employer. 54/9, Office of this Paper.

QUALIFIED; 43; Locum or Manager; good all-round experience. State terms fully. "M.P.S.," 100 Culverley Road, Watford, S.E.

QUALIFIED Manager; temporary; elderly, active man; good references; disengaged until June 10. Permanent address, "Pyro," 402 St. John Street, E.C.

RELIABLE and thoroughly up-to-date Manager or Senior; good Counterman; ineligible; smart, active; could commence duties at once; disengaged. "Rhei," 53 Cranleigh Road, West Green, N.

SUCCESSION.—Manager, view succession; easy terms; ineligible; excellent references. "Gentian," 138 Holloway Road.

UNQUALIFIED, ineligible, 24, energetic, 5 ft. 10 in., good appearance, 8 years' Store and high-class Retail and Dispensing, excellent references, desires berth where advancement is assured. "Assistant," 16 Western Road, Hove, Sussex.

UNQUALIFIED; accustomed to Manage; 42; married. "Statim," 249 Bacup Road, Cloughfold, Manchester.

UNQUALIFIED; 22 (ineligible); high-class Dispensing, and all-round experience; disengaged. "Hal" (51/29), Office of this Paper.

UNQUALIFIED seeks permanency; age 32; thoroughly experienced; married; Manchester district or outside, radius 20 miles; country preferred; will work Branch or otherwise. Reply, "M. C." (52/34), Office of this Paper.

WANTED, post as Dispenser to a Doctor; have had experience. "M. G." (51/8), Office of this Paper.

YOUNG lady, Hall qualification, desires post in Dispensing establishment; General Hospital experience. 50/14, Office of this Paper.

YOUNG man, wishing to obtain further knowledge of Retail, offers services of an evening for small remuneration. 55/7, Office of this Paper.

51. QUALIFIED, seeks Relief work, after 1 p.m. daily; London. Send requirements and remuneration offered to 54/37, Office of this Paper.

45 S. INDOORS, and return fare; elderly; reliable. "Locum," 3 Milton Market, Portsmouth.

WHOLESALE.

A BUSINESS man (middle-aged), energetic, trustworthy, not a Chemist, ruined owing to the war, is anxious to obtain permanent employment, any capacity, or release one for service; good references; not afraid of hard work. "Berth," c/o Katz's, 35 Sackville Street, London, W.

A DVERTISER (ineligible) seeks post of Traveller for a good House; Drugs, Sundries; Yorks or Yorks and Lancs. Particulars, 51/6, Office of this Paper.

ENERGETIC and well-known Traveller, returning to the road for duration of war, would Represent established house in Midlands, Eastern or Home Counties; Soap, Perfumery, or Sundries preferred. 53/6, Office of this Paper.

PHARMACEUTICAL, Toilet Perfumery, and Essence Maker.—Thorough practical man (27), ineligible, 12 years' experience desires permanency; London preferred. 54/39, Office of this Paper.

QUALIFIED Pharmacist, exempted, some Wholesale experience, wishes position Wholesale Manufacturing house. 52/5, Office of this Paper.

TRAVELLER, qualified Chemist, requires re-engagement; experienced, energetic, successful; excellent selling record and connection with chemists, stores, institutions, and general; intimate knowledge drug, sundries, essence, disinfectant, etc., trades; first-class references; ineligible Army; disengaged. "G. F. S.," Caxton Villa, Wetherby, Yorks.

WEST of England.—Gentleman covering this ground desires an additional commission for a well-known house; excellent references; guarantee. Address, "Energetic" (53/34), Office of this Paper.

WHOLESALE.—Thorough practical man seeks situation as Representative for good house during war; good reference. 53/37, Office of this Paper.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies, or elsewhere abroad.

POSITION as Representative of firm in Canada, Drugs or Sundries, English and Canadian experience, or would consider a situation in England. C. E. Welsford, 14 Rupert Street, Ottawa, Ontario, Canada.

MISCELLANEOUS.

A NILINE Salts.—1 cwt., spot delivery London, 3s. 6d. per lb.; first secures. 48/32, Office of this Paper.

SHOP FITTINGS.—War Bargains; Mahogany and Plate Glass Sponge Case with bent top, 75s.; 10 ft. Mahogany and Plate Glass Serving Counter, £8; Perfumery Case and Desk, 52s. 6d.; 4 ft. Bent Counter Case, 45s. Write enquiries, PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

A MAIL ORDER BUSINESS

Can be started with quite moderate capital, and if conducted with ordinary ability may produce a very large return. Any Chemist or Business Firm who is looking for a promising "mail order" opening should communicate with Mr. F. E. COB, of 144 Albany Street, Regent's Park, N.W., the well-known mail order expert and advertising consultant.

Initial Consultation Free

JOINED THE COLOURS.

SIRS,—Having joined the Colours for the duration of the War, I hereby give you notice that the business of

F. MERTEN & CO.,

72 Marlborough Rd., Holloway, London, N.

will be closed from May 22 until further notice.

Thanking you for past favours, and hoping to resume business relations with you after the War,

I am, yours faithfully,

F. MERTEN.

8/6 3 Years 4 Columns 3 LBS.	Jay Mack's Ledger gives Retailer essential detail's only; simple methods; short cuts. 10 minutes' work per week. Foreign Parcel Post all extra over first 6d.	10/6 4 Years 5 Columns 5 LBS.
AUSTRALIA— "C. & D." : Melbourne. Elliotts : Sydney.	LONDON— Evans' : Export Dept.	S. AFRICA— Border Drugs : E. London. Gairdners : Port Elizabeth.

DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz.

Plain or graduated.

BEST QUININE, TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz.

Plain or graduated.

WHITE PHIALS.— $\frac{1}{2}$ oz., 1 oz., $1\frac{1}{2}$ oz., 2 oz. Plain or teaspoons.

BLUE LOTION BOTTLES.— $\frac{1}{2}$ oz., 1 oz., $1\frac{1}{2}$ oz., 2 oz., 3 oz., 4 oz.

6 oz., 8 oz., 12 oz.

PANEL BOTTLES. We send six gross assorted or otherwise, carriage paid within seven miles, and to certain stations. Particulars on application.

CORKS.

Good quality. No advance in price : 6 and 8 oz. bottles, 9d. per gross in 6 gross bags. Vials 6d. per gross in 3 gross bags.

I. ISAACS & CO.,

106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.

Or ISLINGTON BOTTLE COMPANY, 7 New Inn Yard, Tottenham Court Road, London, W.

Orders sent to either establishment have attention.

Established 100 Years.

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE.

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Cocain. hyd. B.P. (52/17) Guaiacol carb. (few ounces)

Gelineau's dragees (any (52/21)
size) (51/16)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Atropin, sulph., $\frac{1}{2}$ oz. (42/16)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

"PHARMACEUTICAL JOURNAL FORMULARY," 1907, sound copy, good as new; what offer? Leonard Grounzel, 18 and 19 Red Lion Square, London, W.C.

DRUGS AND CHEMICALS.

POTASS. permang., 3 lb., good sample; what offers? Williams, Chemist, Wellsaway, Bath.

WHAT offers? pot. permang., $2\frac{1}{2}$ lb.; bichromate, $13\frac{1}{2}$ oz.; salicin, 4 oz.; potassium ferricyanide, 5 oz.; potassium chromate, $1\frac{1}{2}$ lb.; saccharin, $1\frac{1}{2}$ oz. Perron, 8 Bankburn Road, Liverpool.

BEST offers for 18 bottles Apenta water, 18 bottles Arabella water, $2\frac{1}{2}$ lb. sodæ salicylas, 12 oz. ol. sabiue Ang., 14 lb. Dr. King's cough-lozenges. "Chemist," Market Square, Tunstall, Staffs.

OPTICAL AND PHOTOGRAPHIC.

TRIAL case, cost £8 10s.; H.U. model eye, 21s.; Beck microscope, £4; several books, optical; what offers? 55/13, Office of this Paper.

MISCELLANEOUS.

FOR sale, cheap, medical balance, complete in case, by Becker; to be seen by appointment. Woodworth, 61 Acklam Road, North Kensington.

FOR sale.—1 by 12 e.p. suppository mould; 1 by 12 e.p. pessary mould with double clamp screws; in good order. Apply, James Taylor, 132 Trongate, Glasgow.

WHAT offers? aerator's syphon charger, 24 syphons, 1 gross gas bulbs, 8 oz. pulv. pepsinæ, B.P., 12 oz. potass. permang., $\frac{1}{2}$ oz. resorcin, 3 oz. sod. salicylas, 6 oz. hydrarg. subchlor., 10 oz. pot. acetat., 2 oz. quin. sulph., 2 lb. saccharin tablets, $\frac{1}{2}$ grain in each, 1 doz. saccharin tablets, 500's, $\frac{1}{2}$ -grain. Milnes, Lane Head, Brighouse.

WANTED.

SIGHT-TESTING case, also frame, etc. Fullest particulars, Preston, Chemist, Rathmines, Dublin.

WANTED, a few gross 16-oz. round-shouldered clear glass bottles. State price, 54/34, Office of this Paper.

COLLAPSIBLE-TUBE filling machine, and also tooth-paste mixer. Elson, 3 Camerton Road, Easton, Bristol.

WANTED, small grinding machine, to grind fine powders. State particulars and prices, F. W. Hampshire & Co., Ltd., Derby.

MARTINDALE'S Pharmacopœdia, pot. brom.; exchange assorted new saleable patents, list sent. 54/4, Office of this Paper.

WANTED, capsuling machine, for champagne quarts; second-hand; good condition; must be perfect capsular. Particulars to Gordon, Grosvenor Pharmacy, Bath.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

TOOTH-POWDER tins wanted in large quantities, various sizes. Levers, Elver Works, Moreton Street, Manchester.

ADDRESSES WANTED.

WILL any Pharmacist kindly oblige with the present address of Mr. W. H. Persse? Evans, Chemist, Margate.

N.B.—Prices quoted herewith are for preparations according to the New Pharmacopœia, 1914.

PRICES ISSUED WEEKLY.

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this Paper on Terms as below:

N.B.—We would draw attention to the fact that all prices quoted herein are subject to alteration without notice, and that where stocks are limited preference is always given to our regular customers.

Fol. Sennæ Tinneev., 1 cwt. @ d. lb.; 7 lbs. @ 9½d. lb.; English Ground, 56 lbs. @ 11½d. lb.; 7 lbs. @ 1/0½ lb.
 Formaldehyde, 40%, 4 cwt. barrels @ cwt.; 7 lbs. @ 1/3 lb.
 Fuller's Earth, fine powder or lump, 5 cwt. @ 8/3 cwt.; 1 cwt. @ 9/6.

Galla Cærul. Pulv., 7 lbs. @ 1/6 lb.
 Gamboge, English Ground, 7 lbs. @ 4/8 lb.; 1 lb. @ 5/- lb.
 Ginger, English Ground, 1 cwt. @ 60/- cwt.; 7 lbs. @ 8d. lb.
 Gingerine, Extra, 5 lbs. @ 13/- lb.; 1 lb. @ 13/6.
 Glycerin, Opt. D.D., 1,260 P.B., 56 lbs. @ cwt.; 12 lbs. @ lb.
 *Glycerin. Acid. Boric, P.B., 6 lbs. @ 2/1 lb.
 * " Acid. Carbolic, P.B., 6 lbs. @ 1/10 lb.
 * " Acid. Tannic, P.B., 6 lbs. @ 2/5 lb.
 * " Belladonna B.P.C., 6 lbs. @ 6/6 lb.; 1 lb. @ 7/- lb.
 *Glycerin. Boracic, P.B., 6 lbs. @ 1/6 lb.
 * " Pepsin, Acid, P.B., 1 lb. @ 3/3 lb.
 * " Plumbi Subacet., P.B., 6 lbs. @ 1/11 lb.

Guaiaac Carb., 1 lb. @ 85/- lb.
 Guaiaac, pure, 1 lb. @ 55/- lb.
 Gum Acacia sorts, 3 cwt. @ 82/- cwt.; 1 cwt. @ 85/- cwt.; 7 lbs. @ 10½d. lb.; English Ground Powder, No. 1, 1 cwt. @ 140/- cwt.; 7 lbs. @ 1/6 lb.; No. 2, 1 cwt. @ cwt.; 7 lbs. @ 1/2 lb.
 Gum Benzoin, Sumatra, 84 lbs. @ 1/8 lb.; 7 lbs. @ 1/10 lb.
 Gum Catechu Nig., English Ground, 1 cwt. @ 105/- cwt.; 14 lbs. @ 1/- lb.
 Gum Guaiac, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/5 lb.
 Gum Juniper, 14 lbs. @ 1/- lb.
 Gum Thus Elect., 2½ cwt. @ 48/- cwt.; 28 lbs. @ 52/- cwt.
 Gum Tragac. Elect., English Ground, 7 lbs. @ 12/- lb.; 1 lb. @ 12/6 lb.

***H**eadling (Frothing Ess.), 5 lbs. @ 1/3 lb.
 Heliotropine, 1 lb. @ 16/- lb.
 Hellebore, White, Powder (Foreign Ground), 1 cwt. @ 50/- cwt.
 Hexamethylenetetramine, 7 lbs. @ 5/- lb.; 1 lb. @ 5/4 lb.
 Honey, Pale Set, Jamaica, 28 lbs. @ 60/- cwt.; Californian, ½ cwt. @ 55/- cwt.; 7 lbs. @ 8d. lb.
 Hydrargyrum, P.B., 10 lbs. @ 5/6 lb.; 1 lb. @ 5/10 lb.; Ammon., 28 lbs. @ lb.; c. Creta, 28 lbs. @ 2/6 lb.; Iodid. Rub. 28 lbs. @ 16/2 lb.; Oxid. Rub., 28 lbs. @ 8/- lb.; Perchlor., Lump, 28 lbs. @ 7/7 lb.; Subchlor. 28 lbs. @ 7/4 lb.; Sulph. c. Sulph., 28 lbs. @ 7/- lb.; 7-lb. quantities 1d. lb. extra. 3-lb. quantities, 2d. lb. extra, 1-lb. quantities, 3d. lb. extra.
 Hydrokinone, 1 lb. @ 42/6 lb.

Ichthyl Ammon. chemical equivalent: Ammon-ichthosulphonas, B.P. Codex, 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.
 *Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
 * " Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/7 lb.
 * " Buchu Conc., 1 to 7, 6 lbs. @ 2/7 lb.
 * " Columba Conc., 1 to 7, 6 lbs. @ 1/1 lb.
 * " Caryoph. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
 * " Cascarilla Co. c., 1 to 7, 6 lbs. @ 1/7 lb.
 * " Cinchona Acid, 1 to 7, 6 lbs. @ 1/10 lb.
 * " Gentiana Co., 1 to 7, 6 lbs. @ 1/3 lb.
 * " Quassia Conc., 1 to 7, 6 lbs. @ 1/1d. lb.
 * " Rhei Conc., 1 to 7, 6 lbs. @ 1/9 lb.
 * " Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 2/10 lb.
 * " Senega Conc., 1 to 7, 6 lbs. @ 2/7 lb.
 * " Valerian Conc., 1 to 7, 6 lbs. @ 1/7 lb.

Insect Powder, Opt., English Grd., closed flowers, 7 lbs. @ 3/- lb.; English Ground, ½ closed flowers, 4d. lb. less; Foreign Ground, 28 lbs. @ 1/6 lb.
 Iodoform Pulv. B.P., 7 lbs. @ 20/6 lb.; 1 lb. @ 21/- lb.
 Iodum, resub. B.P., 7 lbs. @ 18/9 lb.; 1 lb. @ 19/3 lb.
 Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.; Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.

Kamala, 7 lbs. @ 1/8 lb.; sifted, 2/- per lb.

Lapis Pumicis, fine powder, 2 cwt. @ 12/6 cwt.; 7 lbs. @ 2d. lb.; lump, 2 cwt. @ 18/- cwt.; 7 lbs. @ 3d. lb.

Licorice Juice, 4 & 2-oz. Sticks, 1 cwt. @ 135/- cwt.; 28 lbs. @ 1/3½ lb.; 7 lbs. @ 1/4½ lb.
 *Lin. Aconiti Meth., 5 lbs. @ 1/9 lb.; 1 lb. @ 2/- lb.

* " Bellad. Meth., 5 lbs. @ 8/3 lb.; 1 lb. @ 8/6 lb.
 " Camph. P.B., 40 lbs. @ 1/0½ lb.; 9 lbs. @ 1/1½ lb.
 " Sapo Meth., 9 lbs. @ 9½d. lb.

" Tereb. Acet., B.P., 5 lbs. @ 1/1 lb.
 Linseed c. Oil, Crushed, 3 cwt. @ 28/- cwt.; 1 cwt. @ 28/6 cwt.

*Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 1/5 lb.; 1 lb. @ 1/8 lb.

* " Ammon. Aromat., 6 lbs. @ 10d. lb.
 * " Antim. Chlor. Pure, 8 lbs. @ 10d. lb.
 * " Arsenicalis, B.P., 7 lbs. @ 5d. lb.; 1 lb. @ 8d. lb.

* " Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.

* " Bismuth, P.B., 6 lbs. @ 1/7 lb.
 * " Copaiba Buchu et Cubeb, 5 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.

* " Easton, p.s. 1-3, B.P., 1 lb. @ 3/5 lb.
 * " Ferri Dialysatus, 6 lbs. @ 1/2 lb.
 * " Ferri Iod. p.s., 1-7, 1 lb. @ 8/- lb.

* " Ferri Perchlor. Fort., P.B., 7 lbs. @ 6d. lb.
 * " Ferri Phosph. Co. p.s., 1-7, 7 lbs. @ 1/7 lb.
 * " Hamamelidis, B.P., 6 lbs. @ 1/3 lb.

* " Hypophosph. Co. p.s., B.P.C., 1 lb. @ 3/10 lb.

* " Iodi Fort. B.P., 5 lbs. @ 7/- lb.
 * " Morphinæ Acet. or Hydrochlor., P.B., 6 lbs. @ 4/2 lb.

* " Opii Sed., 5 lbs. @ 6/3 lb.
 * " Plumbi Subacet., P.B., 7 lbs. @ 7d. lb.

* " Pruni Virg. p.s. 1-7, 5 lbs. @ 2/9 lb.
 * " Rhœadus pro Syr., 1 to 7, 5 lbs. @ 2/8 lb.

* " Rhei, p.s., 1-7, 6 lbs. @ 2/4 lb.
 * " Santali Co., 1 lb. @ 4/6 lb.

* " Sennæ Dulc., 6 lbs. @ 1/8 lb.
 * " Sennæ pro Syr. 1-7, 6 lbs. @ 3/4 lb.

* " Strychnina Hyd. P.B., 6 lbs. @ 1/11 lb.
 * " Tolut. pro Syr. 1-7, 6 lbs. @ 1/9 lb.

* " Trinitrini, B.P., 1 lb. @ 7/- lb.
 * " Litbia Carb. P.B., 28 lbs. @ 6/- lb.; 7 lbs. @ 6/3 lb.; 1 lb. @ 6/6 lb.

* " Citras, B.P., 28 lbs. @ 6/- lb.; 7 lbs. @ 6/3 lb.; pulv., 3d. lb. extra.
 Lycopodium, 7 lbs. @ 8/9 lb.

Mag. Calc. Levis, 1 lb. @ 2/- lb.
 Mag. Calc. Pond., 7 lbs. @ 2/1 lb.; 1 lb. @ 2/3 lb.

Mag. Carb. Pond., 7 lbs. @ 11d. lb.
 Mag. Carb. Levis., 1 cwt. @ 60/-; 7 lbs. @ 7½d. lb.

Mag. Cit. Gran., 28 lbs. @ 1/10 lb.; 6 lbs. @ 2/- lb.
 Mag. Sulph., fine druggists', B.P., 1 cwt. @ 19/6; 28 lbs. @ 2½d. lb.

Manna, Flake, 14 lbs. @ 6/3 lb.; 7 lbs. @ 6/6 lb.; 1 lb. @ 6/9 lb.

Menthol, dry white cryst., 60 lbs. @ 13/2 lb.; 5 lbs. @ 13/10 lb.
 *Mist. Sennæ Comp., B.P., 20 lbs. @ 8d. lb.; 6 lbs. @ 9d. lb.
 Morphinæ Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 14/- oz.; 16 oz. @ 4/3 oz.; 8 oz. @ 14/6 oz.; 1 oz. @ 15/3 oz.; Pur. Præcip. Bimeconate or Tart., 1 oz. @ 19/- oz.
 Morphinæ Diacetyl., 4 oz. @ 22/- oz.; 1 oz. @ 22/6 oz.; Hydr. chlor., 6d. per oz. less
 Myrrh, Gum, English Ground, 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/10 lb.

Naphthalene, Fl ke, 7 lbs. @ 7½d. lb.
 Nux Areca, 1 cwt. @ 55/- cwt.; 7 lbs. @ 7d. lb.; powder, English ground, @ 80/- cwt.; 7 lbs. @ 9½d. lb.

Ol. Amyg. lal. Ang., B.P., 9 lbs. @ 3/1 lb.
 Ol. Anethi Ang. B.P., 1 lb. @ 17/6 lb.

Ol. Anisi, E.I., 66 lbs. @ 3/8 lb.; 16½ lbs. @ 4/- lb.; 4½ lbs. @ 4/5 lb.; 1 lb. @ 4/8 lb.

Ol. Aurant., 12 lbs. @ 9/6 lb.; 1 lb. @ 10/3 lb.; not guaranteed absolutely pure.

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 Ol. Cajuput., B.P., 21½ oz. bts @ 4/9 lb.

Ol. Camphor. Essent., White, 40 lbs. @ 1/1 lb.; Brown, 40 lbs. @ 120/- cwt.

Ol. Caryoph. Ang., B.P., 9 lbs. @ 6/- lb.; 4½ lbs. @ 6/3 lb.

Ol. Cassia, 16 lbs. @ 4/6 lb.; 6 lbs. @ 4/9 lb.
 Ol. Cinnam., 1 lb. @ 32/- lb.; 1 oz. @ 2/3 oz.

Ol. Citronellæ, 9 lbs. @ 2/3 lb.
 Ol. Coco Nuclei, finest White, 80 lbs. @ 66/- cwt.; 40 lbs. @ 68/- cwt.

Ol. Eucalypt., P.B., 1 cwt. @ 2/8 lb.; 28 lbs. @ 2/9 lb.; 9 lbs. @ 2/10 lb.

Ol. Geranii Gall. Opt., 1 lb. @ 28/- lb.; 8 1-oz. bts. @ 2/3 oz.; 1 oz. @ 2/6 oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.

Ol. Gynocardia, 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.
 Ol. Juniperi Ligne Exot., 9 lbs. @ 4/6 lb.

Ol. Lavand. ab Flor., 5 lbs. @ 13/6 lb.; 1 lb. @ 14/6 lb.

Ol. Menth. Pip. English, 5 lbs. @ 3/5 lb.; 1 lb. @ 37/6 lb.; Hotchkiss original bts., 21 oz. each @ 15/9 lb.; 6 bts. @ 15/6 lb.; 18 bts. @ 15/- lb.; American, 20 lbs. @ 9/6 lb.; 4½ lbs. @ 10/- lb.; 1 lb. @ 11/3 lb.

Japanese, 60 lbs. @ 4/7 lb.; 5 lbs. @ 4/9 lb.
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Ol. Myristica, 7 lbs. @ 5/- lb.; 1 lb. @ 5/6 lb.
 Ol. Nuclei Pallid., 2 gall. tins @ 6/11 gall.

Ol. Olivæ, P.B., good yellow, guaranteed pure, 45 gall. barrels @ 5/2 gall.; 2 gall. tins @ 6/6 gall.

Ol. Origan Rub., Coml., 28 lbs. @ 2/- lb.; 9 lbs. @ 2/3 lb.

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Ol. Pulegii B.P., 5 lbs. @ 6/6 lb.; 1 lb. @ 6/10.
 Ol. Ricini Alb. Opt. Medicinal, 44 lbs. @ 59/6 cwt.; 9 lbs. @ 11d. lb.; for export, 1 cwt. drums recommended.

Ol. Rosmarini, Coml., 28 lbs. @ 1/9 lb.; 9 lbs. @ 2/- lb.; B.P., 9 lbs. @ 2/7 lb.; 1 lb. @ 2/11 lb.

Ol. Santal. Flav. Ang. B.P., 5 lbs. @ 35/- lb.; 1 lb. @ 35/6 lb.

Ol. Sassafras, genuine, 28 lbs. @ 3/10 lb.; 1 lb. @ 4/5 lb.

Ol. Theobromæ, B.P., 8-oz. tabs., 28 lbs. @ 2/11 lb.; 7 lbs. @ 3/- lb.

Ol. Wintergreen, Artificial, 5 lbs. @ 17/- lb.; 1 lb. @ 17/6 lb.

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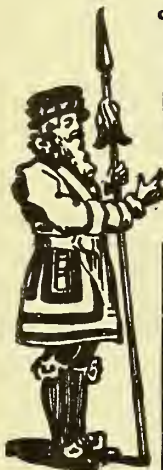
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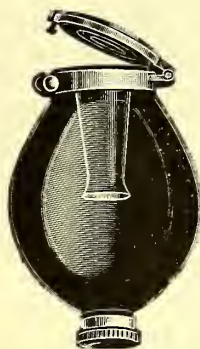
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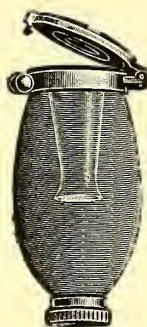
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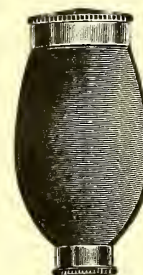
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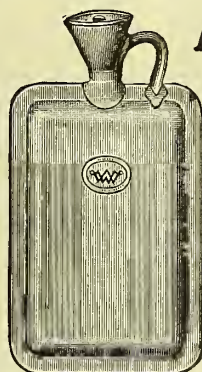
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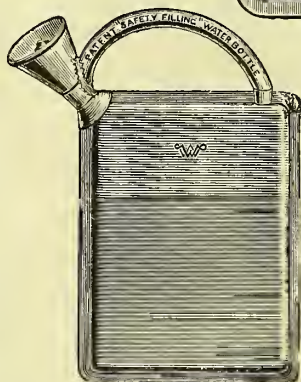
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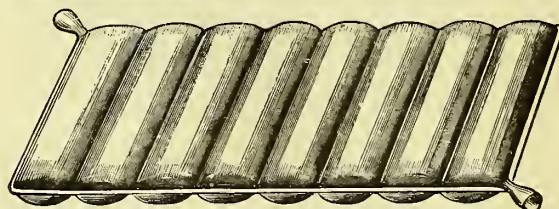
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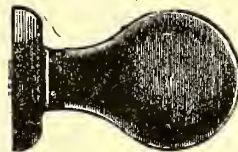


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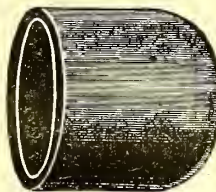


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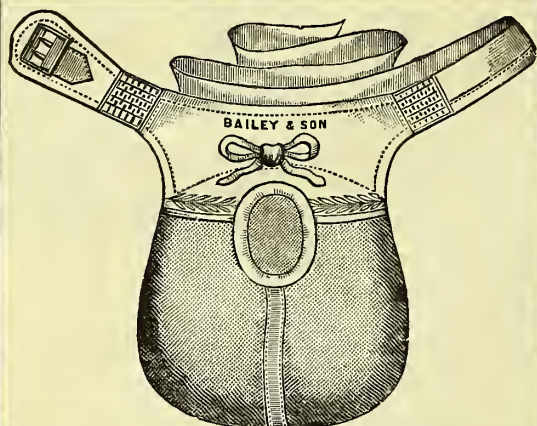
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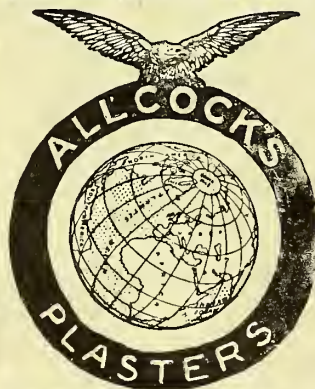
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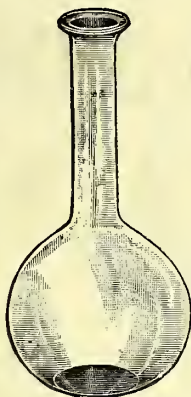
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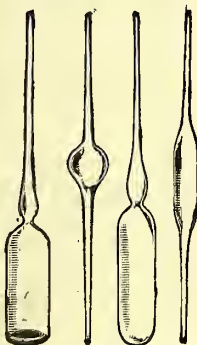
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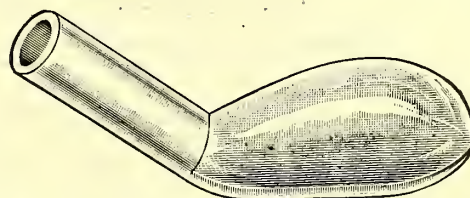
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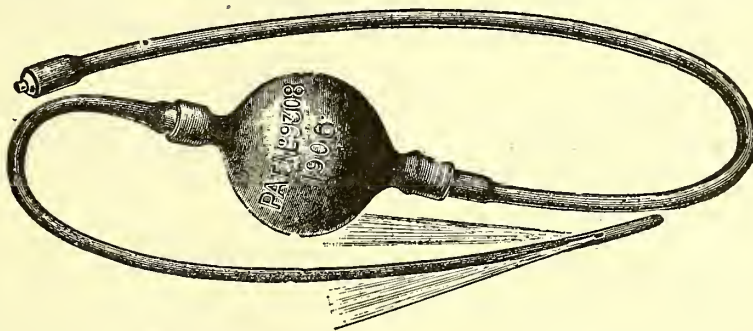
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Superior to any German Preparation.

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Sangers' Special Hair Aids



If repeat orders are anything to go by, the quality and selling powers of "Regnas" Semi-Solid Brilliantine are vouched for by hundreds of "Business Chemists." We are not sure that all who could are stocking this quick-selling line. The attention of those chemists waiting to be convinced of its merits is therefore drawn to the following particulars :

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Per dozen - 3/9

Your name and address on 6 dozen free.

ANTI - SCURF POMADE.



FIG. 1.

In 2-oz. Opal Pots with pink caps, labelled as illustration, in grass green and blue. Your own name on 6 dozen. Per doz., 4/0

The dry, hot, dusty weather is coming. Thousands of heads will again develop scurf, and their owners will be looking for a preventive. A counter show of Anti - Scurf Pomade will attract a deal of attention, if only by reason of the splash of colour the labels and caps will add to your shop.

COSMETICS.



FIG. 52.

White, Brown and Black.

Fig. 52. Oval.

0/3 size, 1 dozen in box,
1/9 doz.

Fig. 51. Round, Push-up.

0/6 size, 1 dozen in box,
3/6 doz.

258 Euston Road, London

A FEW of the MANY PATTERNS of GARDNER'S PATENT "RAPID" SIFTERS & MIXERS.

Used for everything "SIFTABLE" or everything "MIXABLE."

STANDARD PATTERN combined Machines (Figs. 1 to 4) will at one operation thoroughly Sift and Mix all Dry Powders, and reduce to powder and sift any that contain lumps. Largely used for **Drugs, Chemicals, Acids, Baking Powder, Self-raising Flour, Cattle Foods, Sugar, Colours, Sherbet, Coffee, Flour-blending, Disinfectants**, and all kinds of Medicated Powders. Also for the preparation of High Explosives.

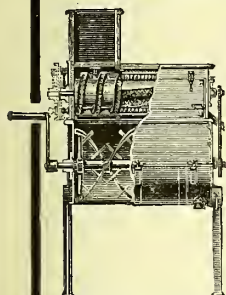


Fig. 1.
Sizes for Hand Use.

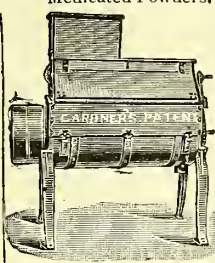


Fig. 2.
Power Sizes with
Pulleys.

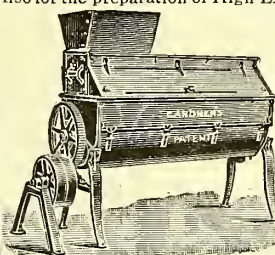


Fig. 3.
Pulley and Gear Drive.
The type recommended
for Power users.

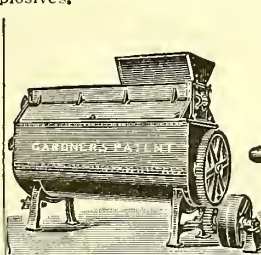


Fig. 4.
Large Capacity Power-
driven Machines.

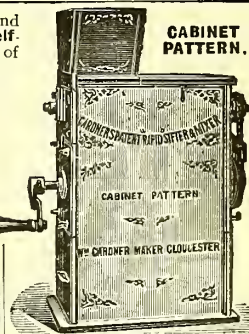
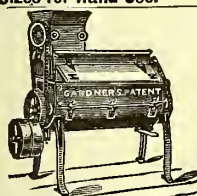
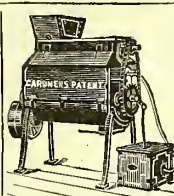


Fig. 5.
For Counter use and
small quantities.



GARDNER'S Patent "RAPID"
SIFTER,
MIXER, AND CRUSHER.

Fig. 6.
For breaking down large and
hard lumps in Sugar, Acids,
Chicory, Salt, Colours, Soda,
small enough to be reduced,
sifted, and mixed afterwards.



GARDNER'S Patent "RAPID"
SIFTER, MIXER,
AND ESSENCE SPRAYER.

Fig. 7.
For adding Liquids, Essences,
Flavourings, Liquid Colours,
Oils, &c., to Sugar, Acids,
Flour, Face Powders, Disin-
fectants, Seasonings, and
many kinds of Powders and
Crystals during Mixing.



Fig. 8.
Open Bottom Pattern.

GARDNER'S Patent "RAPID" SIFTERS (Figs. 8 to 12) (Power Sizes) sift any kind of Dry Powders, and reduce to powder any that may be lumpy, such as Tartaric Acid, Bicarbonate of Soda, Magnesia, Arrowroot, Sugar, Flour, Colours, Sheep Dip, &c.



Fig. 9.



Fig. 10.



Fig. 11.

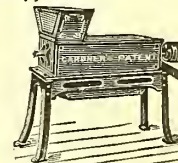
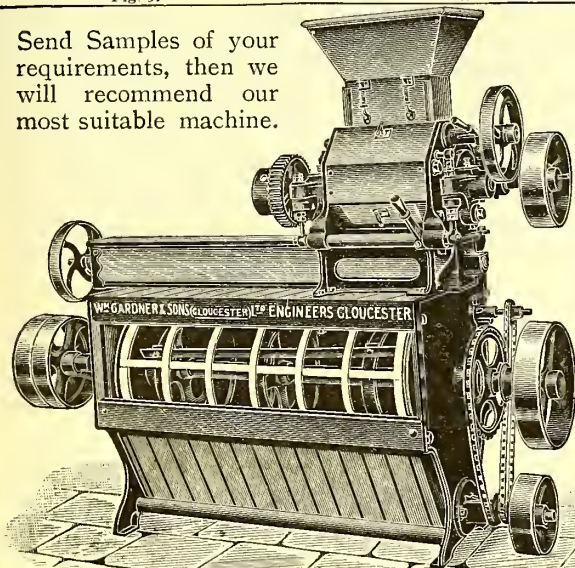


Fig. 12.

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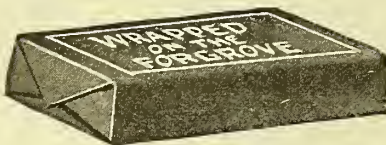
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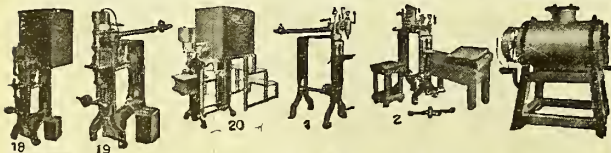


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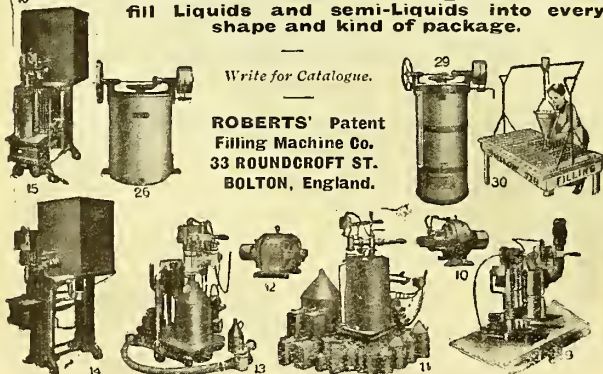
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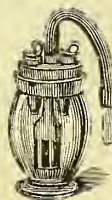
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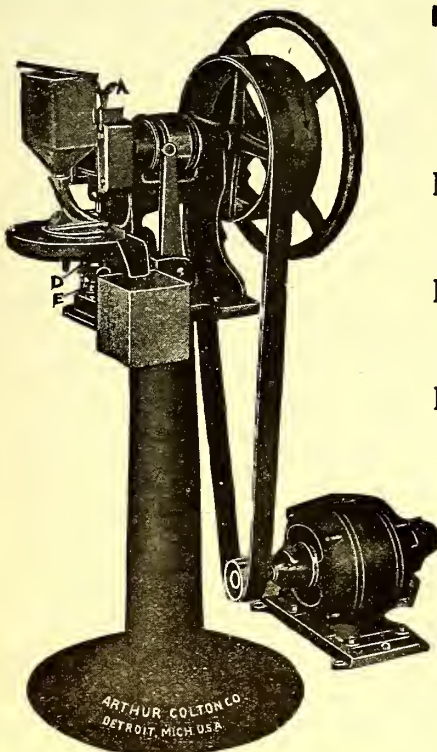
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No. 2B MACHINE for tablets $\frac{1}{8}$ in. to $\frac{1}{2}$ in. diameter,
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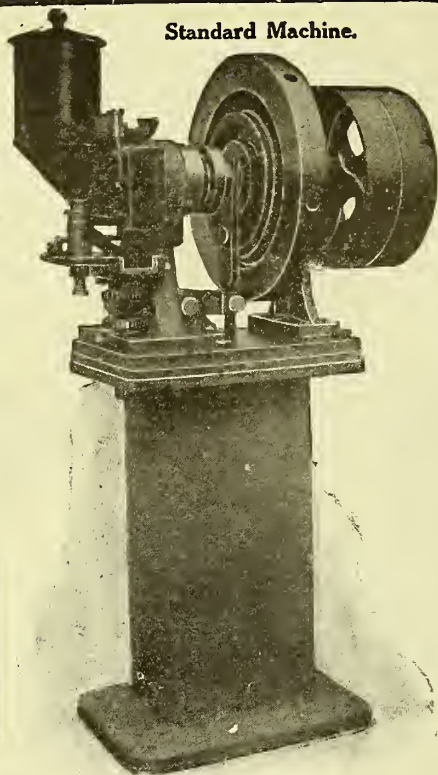
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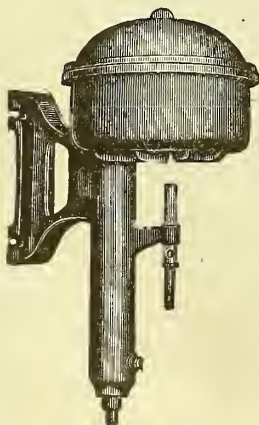
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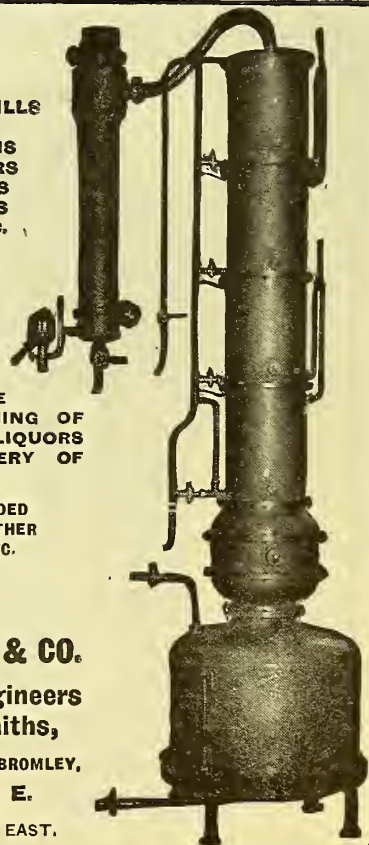
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April Minor Pass List.

Twelve Students passed.

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ELY, A. J. ... London	OPPE, B. I. ... Penzance
FLETCHER, W. ... Anerley	SAMBRIDGE, R. W. ... London
GEENTY, O. C. ... Leeds	SIMPSON, J. W. ... London
HARKER, H. ... Burnley	STOPFORTH, F. ... London
HODGKINSON, E. ... London	THOMAS, O. S. ... Carmarthen

The above list includes two lady students, both passing at their first attempt.

APOTHECARIES' HALL. January Pass List.

BOND, M. F. ... Letchworth	PHILIPS, N. ... London
BLOK, B. S. ... Sydenham	PHILLIPS, H. ... Leeds
BURNISTON, D. M. ... Southampton	ROBERTSON, M. ... Edenbridge
BURTON, E. ... London	ROSS, J. M. ... Wood Green
GLEAVE, S. E. ... Bollington	SACH, S. E. ... South Norwood
HARDY, D. ... Swansea	SELM, H. ... Maida Vale
LOVE, D. E. ... London	THOMAS, J. W. ... Silverdale
LUMLEY, M. E. ... Wolverhampton	TWELVES, G. ... Woking
MEADE, E. A. ... Stroud Green	VALANTINE, V. ... Thornton Heath
NORTHFIELD, C. ... Clapham	WARD, K. ... Denston

April Pass List.

BAKTER, E. K. ... Belfast	HUNTER, E. M. ... Dalston
BELCHER, D. E. ... London	KERRIDGE, D. A. ... Mitcham
BENNASON, R. ... Dalston	MAUDLING, H. A. ... London
BENTLEY, P. ... Jersey	SAUL, L. E. ... Southwell
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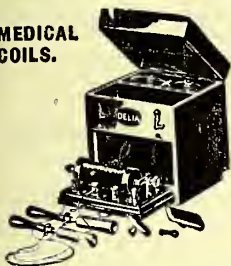
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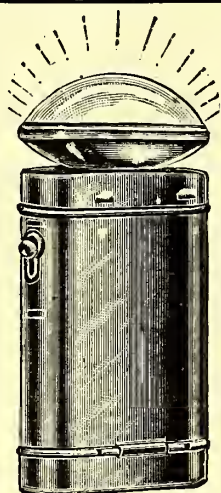
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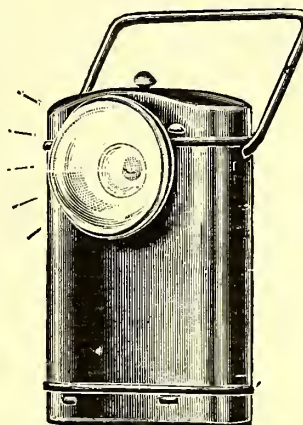


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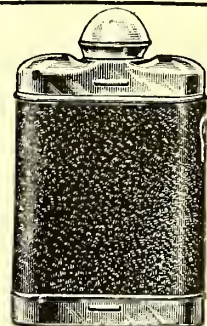
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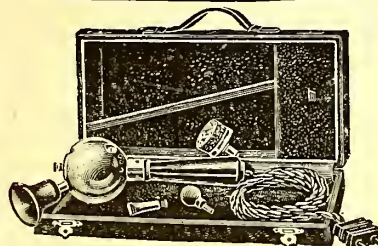
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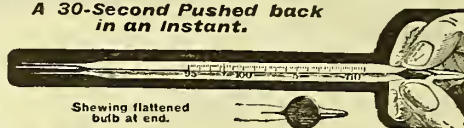
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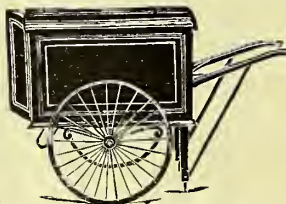
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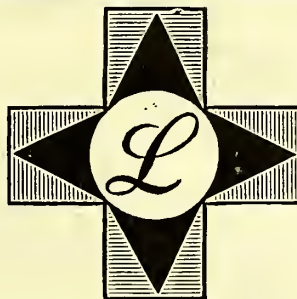
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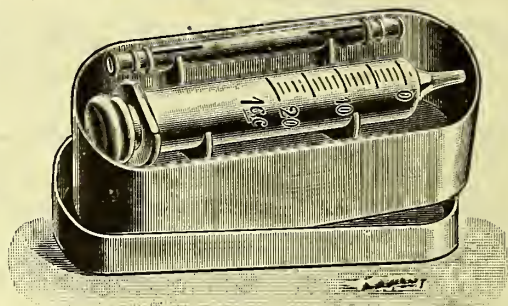
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Record Syringes. We are having some of these in 1c.c. and 2c.c. in about a month or two.

Douche Linings, all glass, 2, 3 and 4 pt. in stock, subject to being unsold.

Metal-top Glass Tubes—a few in Stock.



JULES LANG & SON, Charlton Works, Charlton Place, Islington, N.

Enamelled Hospital Requisites

Aqua-Pura
Water Still.



Spilling Cups, Douches,
Bed Pans, &c.

HIGHEST
QUALITY.
PERFECT
PACKING.

**BRITISH
MANUFACTURE.**

*Write for
Catalogue.*

ORME, EVANS & CO., LTD. Works: Wolverhampton, England.
Showrooms—London, Sydney, Capetown, Montreal, Vancouver.

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For British Made



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Trusses, Belts,
Suspensories,
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Appliances.

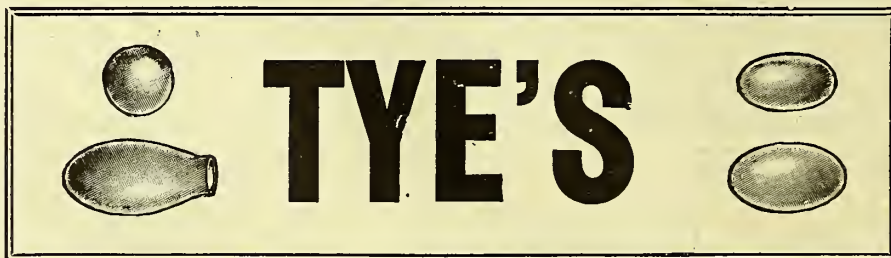
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To Wholesale Buyers & Shipping Merchants only.

MEDICINAL GELATIN

CAPSULES

SEND FOR PRICE LIST.



INQUIRIES SOLICITED.

PERLES

EMPTY VETERINARY CAPSULES.

Hand or Machine Made.

Absolutely Pure Contents.

To suit all Climates.

Best Finish.

John Tye & Son, *Manufacturing Chemists,* 457 Caledonian Road, London, N.



THE FRENCH NATURAL MINERAL — WATER. — **VICHY-CÉLESTINS**

**DISORDERS of the LIVER, GOUT,
Diabetes, Rheumatism, Gravel, &c.**

VICHY-ETAT PASTILLES.

Two or three Pastilles after each meal facilitate Digestion.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS: INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

PROPERTY OF THE FRENCH GOVERNMENT.



By Royal Warrant

To H.M.
King George V.

To H.M.
Queen Alexandra.



Holders of Royal Warrants during three successive Reigns.

Jeyes' Fluid—Best and Safest Disinfectant.

Cyllin—Jeyes' Special Fluid. The relatively non-poisonous Bactericide.

Cyllin Medical—A refined preparation of Cyllin.

Jeysol—Identical in composition with original German Lysol, and equally efficient.

Jeyes' Parasitic Soap—For destroying all body parasites in the trenches.

Jeyes' "Cyllin" Toilet Soap—Invaluable as a cleanser and purifier of the skin.

Senalia—Delicately perfumed tablets. "The Queen of Toilet Soaps."



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HAY'S

CONCENTRATED
SOLUBLE & FRUIT

ESSENCES

Are Acknowledged to be
the finest in the Market

*For the Manufacture of High-class
Aerated Beverages, Liqueurs, Cordials,
Syrups, &c.*

LONDON

WILLIAM HAY, Ltd., Essence Distillers.

LONDON DEPOT—3 York St., WALWORTH, S.E.

Head Office and Laboratories—HULL.

Telegraphic Address: { "Bushworth, London."
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Code: A.B.C., 5th Edition

Orders for Two Gallons and upwards of Essence may be shipped under Bond.

Indentors when ordering should specify HAY'S Manufacture.

Although only introduced five years ago

VITAFER

can now be obtained throughout the whole of the

BRITISH EMPIRE

and is the most popular and valuable of all
Tonic Foods.

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68 Merchant Street.

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VITAFER is specially packed for Colonial Markets
—e.g. for India and the Tropics, in bottles con-
taining 4 oz., 8 oz., and 16 oz.

Wholesale Agents or Merchants should in all
cases specify the market, so as to get the right
packing.

AS A GUIDE TO BUYERS, THE PRICES FOR THE HOME
TRADE ARE AS FOLLOWS.—

In Square, Upright Tins, containing 2 oz., 4 oz., 8 oz., and 16 oz.

Wholesale: 9/-, 14/6, 24/-, 42/-
PER DOZEN.

WE INVITE CORRESPONDENCE REGARDING EXPORT TERMS.

With all orders is sent an ample supply of Counter & Window Advertising Material.

SOUTHALL BROS. & BARCLAY,
BIRMINGHAM. LIMITED,



TRADE MARK.

£500 IN PRIZES given annually to users of R. J. F. & B.'s preparations.

ESTABLISHED 131 YEARS. R. J. FULLWOOD & BLAND'S

Celebrated Preparations are used and recommended at the principal Dairy Institutes, and have the largest sale in Great Britain.

ANNATTO
Liquid and Cake.
The Strongest and
Brightest.

CHEESE RENNET
Strength 1000.
(Liquid, powder, and tablets.)

BUTTER COLOUR
"OLBO" and
"SUNBEAM."

PRESERVATIVES
Powder and Liquid.
(Guaranteed Harmless.)

ESS. OF RENNET
Sold in 6d. and 1l. bottles.

JUNKET POWDER
Sold in 6d. and 3d. pots.

JUNKET TABLETS
Sold in 6d. tubes.

These preparations are supplied in bulk; also packed with customer's own labels. Kindly allow us to submit Samples and Quotations.

Offices and Manufactory: 31, 33 & 35 BEYENDEN ST., HOXTON, LONDON, E.C.

THE MOST ECONOMICAL INFANTS' FOOD.



ON P.A.T.A. LIST.

SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,
Manufacturing Chemists

HULL

Are reluctantly compelled to advance the prices of the following preparations, but, as the protected retail prices are also increased, the Trader's profit is still large.

	P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	7 1/2 d.		5/-
" " " " " "	1/2		10/-
" " " " " " bottles in cartons	1/6		12/-

*Losall's Salt sells so well, surely it must pay Pharmacists to stock such a large profit-bearing protected line.

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema } 1/6 12/-

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

PRICES PROTECTED.

Dr. Allinson's Food Preparations.

Food for Babies, Prepared Barley, Brunak, Power, N.-F. Cocoa, Biscuits, Soup, Wholemeal, &c.

NOTICE TO THE TRADE

We issue a list of WHOLESALE HOUSES who keep above in stock; if for any reason you have difficulty in obtaining supplies, please send postcard direct to us, and a list will be sent to you by return. See trade mark on all our goods: "T. R. ALLINSON," None Genuine Without.

NATURAL FOOD COMPANY, LIMITED,
Cambridge Rd., Bethnal Green, LONDON, E.7

Handbills, Booklets, Showcards, &c., Free.

N.B.—Our goods are to be sold only at prices stated upon the Price List we issue to the trade, and we are pleased to exchange any article which may be out of condition.

HONEY! HONEY!

"JOYBELLS" HONEY.

The choicest and most delicious honey procurable. Screw-top Glass Jars, 9s. 9d. and 5s. 9d. per doz.
"JOYBELLS" HONEY. Red Earthenware Pots, 9s. 3d. and 5s. 3d. per doz.; in Bulk, 8 1/2 d. per lb. Tins charged and returnable.
The Institute of Hygiene state: "We are satisfied that 'Joybells' Honey is a genuine product, possesses the distinctive flavour imparted to bee honey, and is a most pleasant and wholesome article for general table use."

"SUMMERLAND" HONEY.

Equals that usually sold as Finest Clover Honey. Screw-top Glass Jar, 8s. 9d. and 5s. 6d. per doz. In Bulk, 7 1/2 d. per lb.

"SWEET FLOWER BELL" HONEY.

Fine Quality. Clean Flavour. Tie-Over Red Earthenware Pot, 7s. 9d. and 4s. 9d. per doz. In Bulk, 6 1/2 d. per lb.

BEESWAX. Choice quality, 1s. 8d. per lb.; 1-oz. Moulds, 1s. 6d. per doz.

Carriage paid anywhere in England on orders of £2 value. Samples 3d.

STANDARD HEALTH FOOD COMPANY
(With which is incorporated The Berkshire Honey Co.)
Honey Specialists. READING, BERKS.



Two Questions for you

1. Are you taking full advantage of the firm demand for "Ovaltine" resulting from wide and general recommendation by the Medical and Nursing Professions, supported by an extensive scheme of press advertising?

The popularity of "Ovaltine" is assured. Its high food value, ease and rapidity of assimilation and rich organic phosphorus content have led to its general recognition as the best Tonic Food. It is unique in being presented in the form of a delicious beverage to be taken instead of tea, coffee, or cocoa, which it also largely displaces as a daily beverage.

2. Are you buying on the best terms?

"Ovaltine" is a profitable additive line which pharmacists have many opportunities of introducing. On our special co-operative terms it yields a profit of approximately

45% on outlay.

If you are not buying on this basis write to-day for our special terms.

INQUIRIES INVITED FOR EXPORT TERMS.

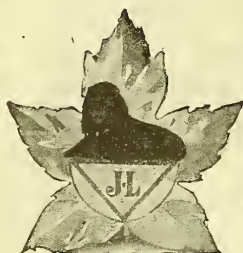
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Works: King's Langley, Hertfordshire.

OVALTINE

TONIC FOOD BEVERAGE

BRITISH MANUFACTURES



TRADE MARK.

Argentum Proteinicum

(PROTARGOL)

Contains 8% Silver, is readily soluble in water, does not precipitate with Albumens or Saline Solutions.

Holds first place in treatment of Ophthalmia, Gonorrhoea, Wounds, Ulcers, etc. Instructions sent with each delivery.

One Ounce Sample sent post free to Chemists in any part of the world on receipt of 2/6.

With first order for 1 lb. at 25/-, two ½-oz. samples will be enclosed free for distribution to medical men.

JOHN LORIMER

Balfour House, 119 Finsbury
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VITAGEN

(Pure Milk Casein with 5 per cent. Sodium Glycerophosphate)

The Ideal Tonic & Nerve Food

A perfectly reliable preparation, identical in composition with 'Sanatogen' at less than half the price

IN BULK, 3/- PER LB.

In tins same weight as Sanatogen

10/6 16/6 27/- 45/- doz

In bottles for India, 36/- doz.

May also be had under Buyer's own labels.

AGENTS WANTED THROUGHOUT THE WORLD.

DIAMIDOPHENOL
(AMIDOL)

**BISMUTH
SALTS**

BROMIDES

British Make.

**STYPTIC
PENCILS**

Stop flow of blood at once.
SURGICAL FORCEPS.
MANICURE FLEXIBLE
FILES,
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Etc. Etc.

**ARGENTUM
NUCLEINATE**

(ARGYROL)
(NARGOL)
1 oz. & 1 lb. bots.

Acetopirin
**ASPIRIN
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ACETYSALICYLIC

British Make. Bulk
& Tablets.

**CALCIUM
LACTATE P.B.**
ACID MOLYBDIC
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MOLYBDATE

**PARAFFINUM
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S. Gr. 865 to 890

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DRUGS & CHEMICALS FOR ALL MARKETS.

Agents Wanted throughout the World.

FORMALIN
Mint Tablets
HÆMOGLOBIN
PEPSINES

**ALL
BRITISH
LYSOL**

In bottles with Measures.
4 8 16 oz. 1 gall.
Special prices in
bulk.

**ADEPS
LANÆ,**
B.P. (Lanoline)
Anhydrous and
Hydrous

**BARBITONE
HEXAMINE
QUININE**

Telegraphic Address:

"PHARMACY MANCHESTER"

James Woolley Sons & Co Ltd

BRITISH made and BRITISH owned.

VALKASA

(REGISTERED TRADE MARK)

THE TONIC NERVE FOOD.

VALKASA may be given
with confidence in cases of

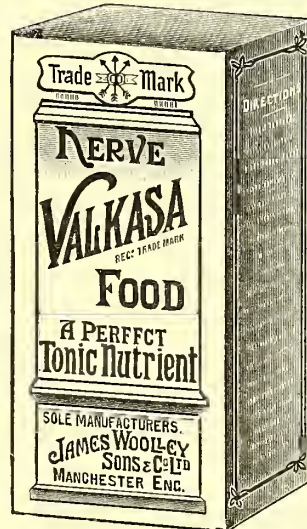
NERVOUS DEBILITY

ANÆMIA

DYSPEPSIA

and in wasting diseases, also in all conditions
resulting from defective nutrition.

VALKASA can be used to increase the nutritive
value of all kinds of foods, such as custards,
porridge, blancmange, puddings, omelettes, &c.



Special packing for India
in Bottles, 3/- each.

In 2, 8 and 16 ounce Tins, 1/-, 3/- & 5/6 each.

P. A. T. A. MINIMUM.

NO ADVANCE IN PRICE.

Stocked by London and Provincial Wholesale Houses.

Showcards Supplied.

MANCHESTER

INDENTS THROUGH BRITISH SHIPPERS.



Saint-Raphael

Tonic, Restorative,
Digestive Wine.

Known throughout the World
and prescribed in all cases of
**ANÆMIA, DEBILITY, and CON-
VALESCENCE, to Young Women,
Children, and the Aged.**

DOSE: One Wine-glass after the
two principal Meals.

Recommended by—
Prof. BOUCHARDAT, Professor of Hy-
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"For more than thirty years St. Raphaël Wine has been
exclusively prescribed, with success, in the Paris hospitals
as a pure tonic, by eminent physicians, such as Magendie
Rostan Chomel, Velpeau, Requin, Monneret, Trousseau,
Grisolle, Laënnec, &c."—*Union Médicale*, May 8 and
June 12, 1873.

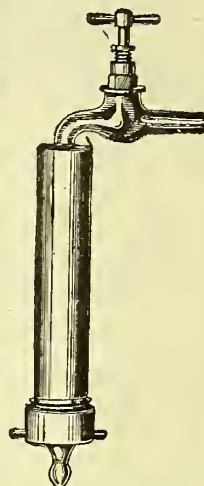
"The 'Vin de St. Raphaël' is often used for ladies
nursing their own children: it is preferable to stout, which
creates an unhealthy fat."—*The Lancet*, London, England.

"St. Raphaël Wine is most precious in all cases where
it is necessary to give tone to the system, without effort
or shock."—Dr. C. DES BARRES.

Cie du VIN SAINT RAPHAEL, Valence, Drome,
FRANCE.

**To be obtained from all
Wholesale Druggists.**

PURE DRINKING WATER.



The Pasteur Chamberland Filter.

OFFICIAL GOVERNMENT
STATEMENT:

Wherever the **PASTEUR
FILTER** has been applied,
TYPHOID FEVER has
disappeared.

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SOLE MAKERS:

**The British Pasteur Chamberland Filter Co.
5 WHITE STREET, FINSBURY,
LONDON, E.C.**



Sells readily ALL the time.

COLEMAN & CO., Ltd., Wincarnis Works, NORWICH.

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It has been established
by law that Registered
Chemists may sell
"Wincarnis with
Quinine" *without a
licence.*

**ALL CHEMISTS
SHOULD STOCK**

ABDINE

THE GOLD MEDAL FRUIT DRINK.
Quick Seller. Big Profits. Quarter of a Century's Reputation.
"ABDINE" is the most popular Health Drink. Superior to all Mineral
Waters. Sold in 1d. Packets, and Boxes of 13 Packets at 1/-
Order through your Wholesale Drug House.
D. M'GLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.
Wholesale Prices on Application

A Popular Selling Line for Chemists! SOLDIER'S SHAVING OUTFIT.

Made in Khaki Drill. Case fitted with Razor, Shaving
Brush, Metal Mirror, Shaving Stick, Tooth Brush and Tooth
Powder, Toilet Soap and Towel. 7/6 each, boxed complete.
Subject to 33 1/3% trade discount. Order immediately from
D. HARPER & CO., Ltd. Fancy Leather Goods Manufacturers,
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Telephone: North 1636.

A. MILLAR & CO., LTD., DUBLIN PURE ORANGE WINE

(VINUM AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopœia.
London Agent: JAMES STIRTON, 43 GREAT TOWER STREET, E.C.

(Wholesale only.)



Why buy German Waters?

TONALKA

is the

**British
Aperient Water**

which yields you a
GOOD PROFIT.

IDRIS & CO., Ltd. PRATT STREET,
CAMDEN TOWN, N.W.

Telephone : 522 NORTH.



C O C A S E D N A K O L A M E A T G R A P E S

IN HEALTH. IN SICKNESS. FOR EVERYONE.

SEDNA is composed of the active principles of **Coca Leaves, Kola Nuts** and **Meat**—all dissolved in the best wine procurable. **SEDNA** is an **Ideal Food Beverage** and is not to be classed with ordinary tonic wines. **SEDNA** is the best tonic known to Modern Science.

100% War-time TONIC WINE SELLING PROPOSITION

We offer you cent. per cent. for stocking our Wine, a perfect Tonic Wine, well got up, selling at a reasonable price with real advertising and ideas. Please carefully study our offer.

Doctors, Nurses, and Hospitals are being sampled and interviewed. Why not stock and sell a real good wine with a real good profit.

3 doz. 3/6 Sedna at 30/- net per doz. - £4 10 0
(with 2 doz. 2/3 Sedna free of charge as special bonus)

Selling 3 doz. 3/6 Sedna at 3/6 per bottle realises 6 6 0

Selling 2 doz. 2/3 Sedna at 2/3 realises - 2 14 0

9 0 0

Your outlay is - 4 10 0

Your clear profit is therefore - £4 10 0

This means for every 1/- turnover, 6d. clear profit.

CARRIAGE PAID IN THE UNITED KINGDOM.

AGENCY PROPOSALS ENTERTAINED IN PLACES WHERE NOT REPRESENTED.

Please write at once as this offer may be withdrawn at any time.

PROPRIETORS :

DEANS, LOGAN & CO., Ltd.

BELFAST, IRELAND ; AND 25 GREAT TOWER STREET, LONDON, E.C.

DR. J. COLLIS BROWNE'S CHLORODYNE

Revised Prices and Terms :

OCTOBER 1915.

Size				1/3	3/-	5/-	12/-
Minimum Retail Price				1/2	2/10	4/9	11/6
PRICE TO TRADE				11/9	29/6	48/9	117/6
(Per Dozen)							

Discount: 5 per cent. on £1 worth, $7\frac{1}{2}$ per cent. on £5 worth and upwards.

Packages charged 3d. on £2 parcels or under, and 1d. for each extra £1 worth, and are not returnable. Carriage forward.

Terms: Cash with order. Most Wholesale Houses supply on equal terms.

Dr. J. Collis Browne's

Chlorodyne

is on P.A.T.A. Protected List, & must not be sold below the prices named above.

J. T. DAVENPORT, Ltd., Proprietors,
117 Union Street, S.E.

Ayrton's Rations

are packed in stout tin boxes which will carry through the post. Each Tablet is wrapped separately, thus ensuring the correct measure per cup. The tins are packed in display outers, and showcards worthy of the goods are supplied free of charge. They must be Ayrton's.

Ayrton's Tea, Sugar & Milk Tablets

Showcards
Free

Six Tablets in handsomely decorated tin.
P.A.T.A. Retail, 7½d. per tin. Wholesale,
72/- per gross.

Ayrton's Coffee, Sugar & Milk Tablets

Showcards
Free

Six Tablets in handsomely decorated tin.
P.A.T.A. Retail, 10½d. per tin. Wholesale,
96/- per gross.

Ayrton's Cocoa, Sugar & Milk Tablets

Showcards
Free

Six Tablets in handsomely decorated tin.
P.A.T.A. Retail, 9d. per tin. Wholesale,
87/- per gross.

Ayrton's Tea Tablets

Showcards
Free

50 large Tablets in handsomely decorated tin.
P.A.T.A. Retail, 7½d. per tin. Wholesale,
72/- per gross.

Send for full list of our Comforts.

AYRTON, SAUNDERS & CO. LTD.

Wholesale Druggists

LIVERPOOL.

LONDON AGENT (Holding Stock).

'Phone: Hop 2539.

J. E. GARRATT, 96 Southwark St., London, S.E.

"PRANA" SPARKLETS

PRESENT PRICES TO THE PUBLIC:

"C" size Syphon - - 5/6.

"B" size Syphon - 4/-

"D" Bulbs (per dozen) 2/6

"B" Bulbs (per dozen) 1/8

"D" BULBS REFILLED AT 1/9 PER DOZEN.

IMPORTANT NOTICE TO THE TRADE.

- ¶ Every empty "D" Bulb returned to be re-filled saves the making of a new Bulb at our Works, and consequently economises both time and material for the production of ammunition.
- ¶ THE TRADE IS URGENTLY REQUESTED TO ASSIST US IN SUPPLYING MILITARY REQUIREMENTS BY FORWARDING TO OUR WORKS AT ONCE ALL EMPTY "D" BULBS RETURNED BY USERS IN EXCHANGE FOR NEW ONES, & BY REMINDING CUSTOMERS THAT THESE EMPTY BULBS ARE WORTH 9d. DOZ.
- ¶ As the manufacture of "Prana" Sparklets is necessarily of secondary importance during the War—except for the needs of the British Expeditionary Forces and Red Cross Hospitals—the general requirements of the Trade this Summer can only be met by the co-operation of the Trade itself in returning as many empty "D" Bulbs as possible, without delay.

AERATORS LIMITED

"Prana" Sparklet Works, Upper Edmonton, N.

TRADE MARK



MANUFACTURERS
AND
REFINERS
— of —

"SILVERCREST"
LANOLINES
ADEPS LANÆ
HYDROUS ANHYDROUS

Hillcrest Oil Co (BRADFORD) Ltd.
CLAYTON MANCHESTER
WORKS: BRADFORD & MANCHESTER

THE POPULAR BUSINESS TONIC:
The "WIGGLESWORTH WAY."

**QUININE & PHOSPHORUS
TONIC**

in Tablet form is creating RECORD SALES. This remarkable result is due to the excellence of the product, coupled with the successful "WIGGLESWORTH WAY" of advertising.

The services of our advertising expert are at your disposal. We recognise it is to our mutual advantage to give you every assistance to make selling easy. Delay in sending your order means loss of business to both of us. Order now, and participate in the increased business which is sure to follow. Samples and particulars sent on receipt of post-card.

THE
POPULAR TONIC
FOR SOLDIERS,
SAILORS. AND
MUNITION WORKERS



WIGGLESWORTH & CO.
WESTHOUGHTON,
LANCS.

TO WHOLESALE & EXPORT TRADES.

ESTABLISHED 1840.

Extracts
Tinctures in Bond

RANSOMS

Resins
Essential Oils

WILLIAM RANSOM & SON, LTD.,

MANUFACTURING PHARMACEUTICAL CHEMISTS,

Distillers of Essential Oils and Cultivators of Medicinal Plants,

HITCHIN, near LONDON.

Telephone: 80 HITCHIN

50 YEARS' REPUTATION.

FENNINGS' CHILDREN'S POWDERS.

ADVERTISED EVERYWHERE.

READY SALES.

A supply of Fennings' "EVERY MOTHER'S BOOK" or Counter Bills (both with Agent's Name and Address), or Showcards, sent carriage free on application to

ALFRED FENNINGS, COWES.

*A guarantee Cadbury's Cocoa Essence (unflavoured)
is absolutely pure & prepared only from the finest selected Cocoa*

**GOODALL,
BACKHOUSE & CO.
LEEDS.**

DRUG and Spice Grinders, Tin Box Makers, Drysalts
and Druggists' Sundriesmen. Dealers in Pure Drugs,
Chemicals, Essential Oils, Patent Medicines, and Pharma-
ceutical Preparations.

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